# 2. Physical Collocation
## 2.2 Responsibility of the Telephone Company

| 2.2.8 | Reclamation of Space/Right to Terminate or Rearrange |
|---|---|
| F. | In an emergency, the Telephone Company reserves the right to rearrange a CLEC's facilities occupying a conduit, manhole, cable vault, roof space, transmitter/receiver space, riser system or cable support structure. The Telephone Company will use reasonable efforts to notify the CLEC prior to rearranging a CLEC's facilities. If such emergency is a result of the CLEC's occupancy of space under these provisions or as a result of any act or omission on the part of the CLEC, its employees, agents or vendors, the CLEC will be charged for such rearrangement. |
| G. | Should the CLEC wish to move equipment from one location to another, the CLEC will be responsible for removing and transporting its equipment to the new site and installing it. The Telephone Company will treat the relocation as a new installation. |
| H. | The Telephone Company shall have the right to reassign space with respect to any multiplexing node and associated cable and conduit where the multiplexing node is not efficiently used within a reasonable amount of time. Efficiently used means that substantially all of the floor space is taken by the equipment as specified above, metal storage cabinets or work surfaces as needed to provide service or when used in connection with roof space and transmitter/receiver space, and that the CLEC's facilities occupying such space are in operation for substantial periods of time each month. The determination as to whether or not these criteria are met is solely within the reasonable judgment of the Telephone Company. If the space is needed to accommodate another CLEC or the Telephone Company's service, the Telephone Company will take back from the CLEC, space that is not being efficiently used. The CLEC will have one-hundred and eighty days from notice by the Telephone Company to vacate the portion of such space which is not being efficiently used. The Telephone Company shall provide six months notice of its intent to reassign space. |
| I. | In addition, if a notice of reclamation is served, the aggrieved CLEC will be given ten days from receipt of the notice to apply to the PUC for relief, upon good cause shown. The CLEC shall be responsible for any outstanding fees, rates and charges in existence at such time. |
| J. | The subsequent CLEC shall be responsible for any costs directly attributable to the reclaiming of the space previously assigned to the existing CLEC. |
| K. | Upon termination of the CLEC's collocation arrangement or any twenty-five square foot portion thereof, the CLEC must remove its equipment from that space within thirty days. Upon removal by the CLEC of all its equipment from the multiplexing node area or portion thereof, the CLEC must restore that multiplexing node area to its original condition at time of occupancy. Due to physical and technical constraints, removal of cable is at the Telephone Company's option. If the CLEC fails to remove its equipment within thirty days, the Telephone Company may elect, at its option, to remove the equipment at the CLEC's expense. |

# 2. Physical Collocation
## 2.2 Responsibility of the Telephone Company

| 2.2.9 | Provisions for Other Services |
|---|---|
| A. | The CLEC may order from the Telephone Company business message rate service in accordance with the provisions of PUC RI No. 15, for its own internal use and the expressed purpose of administrative lines within the multiplexing node. The CLEC may order additional administrative lines or circuits for the expressed use of directly supporting the network maintenance and administration functions for the collocation equipment within the multiplexing node. |

| 2.2.10 | Cabling |
|---|---|
| A. | The Telephone Company is responsible for the installation and maintenance of the CLEC-provided fiber optic cable from the entrance manhole zero and for the CLEC-provided fiber optic feeder cable in the conduit. |
| B. | The Telephone Company will extend the CLEC's fiber optic cable to the cable vault, will splice the cable to the CLEC provided fire retarding riser cable and will deliver it to the CLEC's multiplexing node subject to the appropriate charges. |
| 1. | The Telephone Company is responsible for installing and maintaining the splice in the cable vault. |

# 2. Physical Collocation
## 2.3 Responsibility of the CLEC

| 2.3.1 | Cabling |
|---|---|
| A. | The CLEC is responsible for procuring, installing and maintaining all cables from the CLEC premises to manhole zero. |
| B. | The CLEC is responsible for providing, installing and maintaining the connection cable and any associated equipment which may be required (e.g., repeaters) between the collocated node and the POT. |

| 2.3.2 | Ordering Service |
|---|---|
| A. | The CLEC must request physical collocation arrangements through its Telephone Company point of contact. Completed applications for collocation must be sent directly to the Telephone Company collocation application manager at the following address. |
| 1. | Collocation Application Manager–Verizon, 125 High Street, Boston, MA 02110 or email to Collocation.applications@verizon.com. |

| 2.3.3 | Safety and Technical Standards |
|---|---|
| A. | The CLEC's facilities shall not physically, electronically, or inductively interfere with the Telephone Company's or other CLEC's facilities and must comply with the appropriate technical specifications. |

| 2.3.4 | Insurance |
|---|---|
| A. | The CLEC shall, at its sole cost and expense, procure, maintain, pay for and keep in force the following insurance, underwritten by insurance companies licensed to do business in the State of Rhode Island having a best insurance rating of at least AA–12. |
| 1. | Comprehensive general liability coverage on an occurrence basis in an amount of two million dollars combined single limit for bodily injury and property damage, with a policy aggregate of two million dollars. Said coverage shall include the contractual, independent contractors' products/completed operations, broad form property and personal injury endorsements. |
| 2. | Umbrella/excess liability coverage in an amount of five million dollars excess of coverage contained in the general liability policy. |
| 3. | All risk property coverage on a full replacement cost basis insuring all of the CLEC's real and personal property situated on or within the Telephone Company's locations. The CLEC may also elect to purchase business interruption and contingent business interruption insurance. |
| 4. | Statutory workers' compensation coverage; and employer's liability coverage in an amount of two million dollars. |

# 2. Physical Collocation
## 2.3 Responsibility of the CLEC

| 2.3.4 | Insurance |
|---|---|
| B. | The Telephone Company shall be named as an additional insured on all applicable policies as specified in general liability and excess liability policies, and shall be named as loss payee (as its interest may appear) on all applicable risk property policies. |
| C. | The limits governing the general and excess liability provisions above may be increased by the Telephone Company from time to time upon prior written notice, to at least such minimum limits as shall then be customary with respect to comparable situations within the existing Telephone Company buildings. |
| D. | All policies purchased by the CLEC shall be deemed to be primary and not contributing to or in excess of any similar coverage purchased by the Telephone Company. |
| E. | All insurance must be in effect on the occupancy date and shall remain in force as long as the CLEC's facilities remain within any spaces governed by the arrangement. If the CLEC fails to maintain the coverage, the Telephone Company may pay the premiums thereon and seek reimbursement of same from the CLEC. The CLEC shall arrange for the Telephone Company to receive thirty days advance notice of cancellation, modification, or renewal of the policy from the CLEC's insurance company. Notices should be forwarded to the following Telephone Company contact at the following location. |
| 1. | Collocation Application Manager–Verizon, 125 High Street, Boston, MA 02110 or email to Collocation.applications@verizon.com. |
| F. | The CLEC must also conform to the same recommendation made by the Telephone Company's insurance companies to which the Telephone Company has already agreed or to which it shall hereafter agree. |
| G. | Nothing contained herein shall relieve the CLEC from liability that may exist as a result of damage from fire or other casualty. Notwithstanding the foregoing, each party shall look first to any insurance in its favor before making any claim against the other party for recovery for loss or damage resulting from fire or other casualty, and to the extent that such insurance is in full force and collectible to the extent permitted by law, the Telephone Company and the CLEC each hereby releases and waives all right of recovery against the other or any one claiming through or under each of them by way of subrogation or otherwise. |
| 1. | The foregoing release and waiver shall be in force only if both releasors' insurance policies contain a clause providing that such a release or waiver shall not invalidate the insurance and also, provided that such a policy can be obtained without additional premiums. The CLEC acknowledges that the Telephone Company will not carry insurance on the CLEC's furniture and/or furnishings or any fixtures or equipment, improvements, or appurtenances removable by the CLEC and agrees that the Telephone Company will not be obligated to repair any damage thereto or replace the same. |

# 2. Physical Collocation
## 2.3 Responsibility of the CLEC

| 2.3.4 Insurance | |
|---|---|
| H. | Self Insurance—If the CLEC's net worth exceeds one-hundred million dollars, the CLEC may elect to self insure in lieu of obtaining any of the insurance required as set forth in Section 2.3.4. If the CLEC self insures, the CLEC shall furnish to the Telephone Company, and keep current, evidence of such net worth that is attested to by one of the corporate officers. If the CLEC self insures, the CLEC shall release, indemnify, and hold the Telephone Company (and the Telephone Companies affiliates and personnel) harmless against all losses, costs (including reasonable attorney fees), damages, and liabilities resulting from claims (including without limitation claims alleging negligence or breach of contract by the Telephone Company or by Telephone Company affiliates and personnel) that would have been within the scope of such insurance had the vendor not elected to self insure. |

| 2.3.5 Inspections | |
|---|---|
| A. | The CLEC is responsible for providing a contact number that is readily accessible twenty-four hours a day, seven days a week. The CLEC will provide emergency access to its multiplexing node and transmitter/receiver space at all times to allow the Telephone Company to react to emergencies, to maintain the space (where applicable) and to ensure compliance with OSHA/Telephone Company regulations and standards related to fire, safety, health, and environmental safeguards. In the event the Telephone Company is required to access the CLEC's multiplexing node on an emergency basis, the Telephone Company will notify the CLEC of such access within twenty-four hours. |
| B. | The Telephone Company has the right to inspect the completed installation of the CLEC's equipment and facilities. In addition, the Telephone Company may conduct up to twelve routine inspections per year of all or portions of the CLEC's facilities, to determine that occupancies are authorized and installed and maintained in conformance with the required standards. The Telephone Company will provide the CLEC with fifteen days advance notice of non-emergency inspections and the CLEC shall have the right to be present at the time of inspection. The Telephone Company will notify the CLEC in writing of any outside agency inspection unless the Telephone Company is not notified in time; in such cases the Telephone Company will notify the CLEC as soon as reasonably possible. The CLEC shall have the right to be present at the time of inspection by the outside agency unless the Telephone Company is not notified in advance of such inspections. The CLEC will be charged for such inspections if the Telephone Company finds a violation of these terms and conditions. Applicable time and material charges associated with such inspection will apply. |

# 2. Physical Collocation
## 2.3 Responsibility of the CLEC

| 2.3.5 | Inspections |
|---|---|
| C. | If at any time the Telephone Company reasonably determines that the CLEC's facilities or equipment or the installation of the CLEC's facilities or equipment do not meet the required standards, the CLEC will be responsible for the costs associated with the removal of such facilities or equipment or modification of the facilities or equipment or installation thereof to establish compliance. If the CLEC fails to correct any noncompliance with these standards within fifteen days' written notice to the CLEC, the Telephone Company may have the facilities or equipment removed or the condition corrected at the CLEC's expense. |
| D. | If the Telephone Company reasonably determines that any CLEC activities, equipment or facilities are unsafe, do not meet the required standards or other specifications set forth in Part E of this tariff, or are in violation of any applicable fire, environmental, health, safety or other laws or regulations, the Telephone Company has the right to immediately stop such activities or the operation of such facilities or equipment. |
| 1. | When such conditions do not pose an immediate threat to the safety of the Telephone Company's employees, interfere with the performance of the Telephone Company's service obligations, or pose an immediate threat to the physical integrity of the conduit system or the cable facilities of the Telephone Company, the Telephone Company will provide the CLEC fifteen days written notice to correct the condition. |
| 2. | When such conditions pose an immediate threat to the safety of the Telephone Company's employees or others, interfere with the performance of the Telephone Company's service obligations, or pose an immediate threat to the physical integrity of the roof, the walls or the cable facilities of the Telephone company, the Telephone Company may perform such work and/or take such action that the Telephone Company deems necessary without prior notice to the CLEC. |
| 3. | The CLEC is responsible for time and material charges associated with the cost of this work and/or actions. |
| E. | The CLEC is responsible for engineering the power consumption in its collocation arrangements and therefore must consider any special circumstances in determining the fused capacity of each feed. The Telephone Company will engineer the power feeds to the collocation arrangement in accordance with industry standards based upon requirements ordered by the CLEC in its collocation application. Any subsequent orders to increase the DC power load at a collocation arrangement must be submitted on a collocation application. The Telephone Company reserves the right to perform random inspections to verify the actual power load being drawn by a collocation arrangement. At any time, without written notice, the Telephone Company may measure the DC power drawn at an arrangement by monitoring the power distribution point. |
| 1. | If the inspection reveals that the power being drawn does not exceed the total number of load amps ordered, no further action will apply. |

# 2. Physical Collocation
## 2.3 Responsibility of the CLEC

| 2.3.5 | Inspections |
|---|---|
| E. | (Continued) |
| 2. | If the inspection reveals that the power being drawn is greater than 100% and up to 110% of the total number of load amps ordered, the Telephone Company will provide the CLEC written notification, by certified US mail to the person designated by the CLEC to receive such notices, that more power is being drawn than was ordered. Within five business days of the date of notification, the CLEC must reduce the power being drawn to match its ordered load or revise its power requirement to accommodate the additional power being drawn. Failure to reduce the power being drawn or submit a revised application within the five business days will result in an increase in the amount of power being billed to 110% of the power ordered in the application on file. |
| 3. | If the inspection reveals that the power being drawn is greater than 110% of the total number of load amps ordered, that arrangement is subject to the following treatment. |
| a. | The Telephone Company will provide the CLEC with written notification, by certified US mail to the person designated by the CLEC to receive such notices, that it has exceeded its ordered power. |
| b. | The Telephone Company will assess the miscellaneous collocation power service charge for performing this inspection. |
| c. | The Telephone Company will bill the CLEC to the full fused capacity for each of the next six bill periods following the inspection. |
| d. | After six months of full fused capacity billing, and upon receipt of an application to revise the power required at that arrangement, the Telephone Company will adjust the billing to reflect the CLEC's revised power requirement. In the event that a revised application is not submitted, billing at full fused capacity will continue until a revised application is received. |
| e. | Within 15 business days of the date of notification, the CLEC must submit a non-scheduled attestation of the power being drawn at each of its remaining collocation arrangements. Failure to submit this non-scheduled attestation will result in the application of the miscellaneous collocation power service charge for any subsequent DC power inspections the Telephone Company performs prior to receipt of the next scheduled attestation. Scheduled attestations are defined in Section 2.3.5F. |
| 4. | In those instances where the Telephone Company needs access to the collocation arrangement to make these measurements, the Telephone Company will schedule a joint meeting with the CLEC. |

# 2. Physical Collocation
## 2.3 Responsibility of the CLEC

| 2.3.5 Inspections | |
|---|---|
| F. | Scheduled Attestations—Annually, the CLEC must submit a written statement signed by a responsible officer of the company which attests that it is not exceeding the total load of power as ordered on the collocation application. This attestation, which must be received by the Telephone Company no later than the last day of June, shall individually list all of the CLEC's completed collocation arrangements provided by the Telephone Company in all of its operating territories. If the CLEC fails to submit this written statement by the last day in June, the Telephone Company will notify the CLEC in writing that it has 30 days to submit its power attestation. Failure to submit the required statement within the 30 day notice period will result in the billing of DC power at each collocation arrangement to be increased to the total number of amps fused. |

| 2.3.6 Technical Specifications | |
|---|---|
| A. | CLEC equipment which is not on the Telephone Company's list of approved products for central office equipment, must fully comply with NEBS, GR-63-CORE, GR-1089-CORE, IP-72201, workmanship requirement profile and the Telephone Company's central office, engineering, environmental and transmission standards as they relate to fire, safety, health, environmental safeguards, or interference with the Telephone Company's services or facilities. |
| B. | CLEC equipment and installation of the CLEC's equipment must also comply with IP-72201. All CLEC entrance facilities and splices must comply with GR-20-CORE, NX620020912NY, NX620020911NY, NX620020913NY, and NY620020910NY, as they relate to fire, safety, health, environmental safeguards or interference with Telephone Company services or facilities. |
| C. | CLEC facilities shall be placed, maintained, relocated or removed in accordance with the applicable requirements and specifications of the current edition of NIP-74171, NEC, NESC, OSHA, and any governing authority having jurisdiction. |
| D. | The equipment located in, on or above the exterior walls or roof of the Telephone Company's building must either be on the Telephone Company's list of approved products or comply with GR-63-CORE, GR-1089-CORE and NIP-74171. This equipment must also fully comply with IP-72201, and central office engineering environmental and transmission standards as they relate to fire, safety, health, environmental safeguards, or interference with Telephone Company service or facilities. |
| E. | Where a difference may exist in the technical specifications, the more stringent shall apply. |
| F. | The Telephone Company reserves the right to remove facilities and equipment from its list of approved products if such products, facilities and equipment are determined to be no longer compliant with NEBS standards or GR-1089-CORE. |

# 2. Physical Collocation
## 2.3 Responsibility of the CLEC

| 2.3.6 | Technical Specifications |
|---|---|
| G. | CLEC equipment must conform to the same specific risk/safety/hazard standards which the Telephone Company imposes on its own central office equipment as defined in RNSA-NEB-95-0003, revision 8 or higher. CLEC equipment is not required to meet the same performance and reliability standards as the Telephone Company imposes on its own equipment as defined in RNSA-NEB-95-003, revision 8 or higher. |
| H. | The CLEC may install equipment that has been deployed by the Telephone Company for five years or more with a proven safety record. |

# 2. Physical Collocation
## 2.4 Joint Planning and Implementation

| 2.4.1 | Description |
|---|---|
| A. | If space is available, the Telephone Company will provide to the CLEC a collocation schedule describing the Telephone Company's ability to meet the physical collocation request within ten business days. If the application is deficient, the Telephone Company will specify in writing, within five business days, the information that must be provided by the CLEC in order to complete the application. Upon receipt of a completed application, the implementation schedule set forth in Part E; Section 1.1.2 shall commence and the collocation schedule provided by the Telephone Company will include the costs for normal space conditioning (i.e., 25, 100 or 300 square foot nodes) work, along with an estimate for any applicable special construction charges. Work required, or requested, by the CLEC after the initial installation will be handled on an ICB basis. |
| B. | The CLEC shall have thirty days from receipt of a Telephone Company provided collocation schedule to pay an additional 25% of the normal space conditioning costs plus 50% of the estimated amount of any applicable special construction charges in order for the Telephone Company to continue work. The Telephone Company will calculate costs on a fully allocated time and materials basis, for any agreed special construction work undertaken on behalf of the CLEC, and any vendor charges. Occupancy for all spaces will be granted upon completion of the normal space conditioning work, including cut-down of Telephone Company cabling at the POT based on the requested DS3, DS1, and VG interconnections identified by the CLEC in the application for collocation. |
| C. | Prior to the CLEC beginning the installation of its equipment, the CLEC must sign the Telephone Company work completion notice, indicating acceptance of the multiplexing node construction work and providing the Telephone Company with a security fee. Payment is due within thirty days of bill date. The CLEC may not install any equipment or facilities in the multiplexing node until after the receipt by the Telephone Company of the Telephone Company work completion notice and any applicable security fee. |
| D. | Occupancy for all spaces will be granted upon completion of the multiplexing node construction work. The Telephone Company will begin billing all fees (except for special construction charges) commencing on the occupancy date or thirty days after written notice from the Telephone Company. |
| E. | The Telephone Company will make a reasonable effort to place collocation node arrangements in areas of the central office requiring the minimum amount of site preparation cost possible, where space is available. In the event that demand for collocation nodes necessitates the construction of a separate room, or conditioned central office space is not available then the Telephone Company will assess special construction charges to recover the Telephone Company's costs for special construction work. |

# 2. Physical Collocation
## 2.4 Joint Planning and Implementation

| 2.4.1 Description | |
|---|---|
| F. | The CLEC will be responsible for any nonrecurring costs incurred by the Telephone Company for special construction. Such costs will be calculated on a time and materials basis (refer to Section 2.6.8). |
| 1. | Special construction charges will be billed to the CLEC on a first installment and final bill basis. The Telephone Company will bill the CLEC for a first installment which equates to 50% of the total estimate of the charges. Payment of the first installment is due prior to the commencement of the actual construction. A final bill will be rendered based on the actual costs and charges incurred by the Telephone Company. The final bill is to be paid by the CLEC within 30 days of the bill date, but no sooner than the Telephone Company's completion of the actual construction. |
| 2. | The Telephone Company will render a final bill to reconcile any special construction charge estimates with the actual charges when those charges become known. |

| 2.4.2 Space Limitations | |
|---|---|
| A. | When space is unavailable for physical collocation, the Telephone Company will post a list of all such sites on its website and will update the list within ten business days of the date at which a central office runs out of collocation space. |
| B. | When sufficient space is not available to accommodate a physical collocation request at a Telephone Company central office, the Telephone Company will, within an additional ten business days of denying a request, allow CLECs upon request to tour the Telephone Company central office where sufficient space is not available. Where requests from multiple CLECs are denied for the same Telephone Company central office, the Telephone Company may coordinate tours of the Telephone Company central offices with the CLECs and the PUC. Such tour will not be restricted to the room in which space was denied but may include the entire central office. The Telephone Company will provide the PUC with floor plans, future use information, etc., as may be requested by the PUC. |
| 1. | If a Telephone Company central office has been deemed by the PUC to be space exempt due to space exhaustion, no further tours will be given unless conditions affecting space availability have changed (e.g., equipment removal) unless requested by the PUC. |
| 2. | The Telephone Company will provide an escort who will be able to answer questions regarding present and future use of space, and will provide construction plans for empty space upon PUC request. |

| 2.4.3 Removal of Obsolete Equipment | |
|---|---|
| A. | Upon reasonable request of a CLEC or upon the order of the PUC, the Telephone Company will remove obsolete unused equipment. |

# 2. Physical Collocation
## 2.4 Joint Planning and Implementation

| 2.4.3 | Removal of Obsolete Equipment |
|---|---|
| B. | The Telephone Company will review requests to remove equipment on a case by case basis and will be responsible to prove to the PUC that equipment is not unused or obsolete. |

# 2. Physical Collocation
## 2.5 Splitter Arrangements

| 2.5.1 | Description |
|---|---|
| A. | A CLEC must install and connect a splitter arrangement before submitting an order for a line sharing arrangement. In a line sharing arrangement, Telephone Company-provided dial tone is routed through a CLEC-provided splitter. |
| 1. | The splitter must be ANSI T1.413 or multiple virtual line compliant. Technical specifications described in Part E, Section 2.3.6 also apply. |
| B. | The following splitter arrangement options are available to CLECs. |
| 1. | **Option A (Splitter in CLEC Physical Collocation Arrangement)**—The CLEC may install a splitter in either a new or existing physical collocation arrangement. The CLEC will be responsible for any rearrangements or augments to the physical collocation arrangement (i.e., additional terminations to the POT bay). The CLEC must maintain the splitter. |
| a. | The CLEC must notify the Telephone Company when it will access line sharing through this option and provide the Telephone Company with any required information. |
| 2. | **Option C (Splitter in Telephone Company Area)**—The splitter is installed (mounted) in a relay rack between the POT bay and the main distribution frame by the Telephone Company. The Telephone Company will inventory and maintain the splitter in Telephone Company space within the same serving end office as the physical collocation arrangement. The demarcation point is at the splitter end of the cable connecting the CLEC physical collocation arrangement and the splitter. Cabling will be installed by the Telephone Company with the splitter as part of a collocation augment. |
| a. | An Option C splitter arrangement generally consists of one shelf in which splitter cards capable of supporting 96 lines are installed. Cabling must be ordered in increments of 200 pairs. |
| b. | The Telephone Company will provide a splitter inventory to the CLEC upon completion of the required splitter installation. |

# 2. Physical Collocation
## 2.6 Application of Rates and Charges

| 2.6.1 Application Fee | |
|---|---|
| A. | For establishment of a multiplexing node the CLEC is responsible to pay 25% of the applicable NRC. |

| 2.6.2 Space Conditioning | |
|---|---|
| A. | Space conditioning charges apply based on the square footage of the actual node (i.e., 25 sq.ft., 100 sq.ft., 300 sq.ft.). An additional square foot charge applies per each 20 square feet added to the 100 sq. ft. node arrangement. |

| 2.6.3 Occupancy | |
|---|---|
| A. | Building Expense—The monthly rate applies per square foot. |
| B. | **POT Bay Frame** |
| 1. | The POT bay frame NRC applies for the investment and/or the installation of the POT bay frame in accordance with the following option chosen by the CLEC. An NRC does not apply when the CLEC purchases and installs a POT bay within the confines of the CLEC multiplexing node. |
| a. | **Option 1**—The Telephone Company provides for the material and installation. |
| b. | **Option 2**—The CLEC provides the material and transfers ownership to the Telephone Company for the sum of one dollar. The Telephone Company installs the equipment. |
| c. | **Option 3**—The CLEC provides the material and installs the equipment within the multiplexing node. |
| 2. | For Options 1 and 2, a monthly rate applies per bay of equipment installed in the common area. |
| C. | DC Power—Applies for the provision of –48V DC protected power required by the CLEC equipment in the multiplexing node. The power is assessed per load amp based on the total number of load amps ordered on each feed. |

| 2.6.4 Service Access Charge (SAC) | |
|---|---|
| A. | **SAC Pot Bay Termination**—Applies per termination and is used for the connection of the Telephone Company POT bay to the Telephone Company equipment location(s). It is assessed on a per termination basis and is added coincident with connection of each unbundled network element to the collocation arrangement. This rate applies when the Telephone Company provides the POT bay. For line sharing arrangements, two 2W voice grade terminations apply per line. |

# 2. Physical Collocation
## 2.6 Application of Rates and Charges

| 2.6.4 Service Access Charge (SAC) | |
|---|---|
| B. | **SAC Cable and Frame Termination**—Applies per termination and is used for the connection of the Telephone Company cables and frame terminations. It is assessed on a per termination basis and is added coincident with connection of each unbundled network element to the collocation arrangement. For line sharing arrangements, two 2W voice grade terminations apply per line. |

| 2.6.5 Cable Placement and Splicing | |
|---|---|
| A. | Hourly rates apply per Telephone Company technician/engineer, for pulling the cable from manhole zero to the splice point. The technician's/engineer's time is multiplied by the appropriate labor rates contained in Part M. |
| B. | Time and materials charges also apply for conduit and the cable rack associated with cable pull and splice work when the cable is extended from manhole zero to the multiplexing node. |
| C. | When contracted outside labor is provided in association with cable pull and splice work (e.g., police), the Telephone Company will bill the CLEC for all such labor charges which may be incurred. |

| 2.6.6 Escorting | |
|---|---|
| A. | NRCs apply when a CLEC requests an escorted visit to its collocation space during the construction phase. |
| B. | NRCs apply when a CLEC requires escorted access to the Telephone Company premises that is outside the secured access to the multiplexing node. |
| C. | When the Telephone Company provides a qualified representative to accompany a CLEC in all manhole locations, time and materials charges apply. |

| 2.6.7 Conduit and Space | |
|---|---|
| A. | Conduit and space fees apply from the serving wire center manhole to the collocated customers cage for the conduit and/or rack space. Charges apply monthly, per foot/per duct and per foot/per half duct. |

| 2.6.8 Prorating of Special Construction Charges | |
|---|---|
| A. | The CLEC will be responsible for any nonrecurring costs incurred by the Telephone Company for special construction. Such costs will be calculated on a time and materials basis and passed through dollar-for-dollar to the CLEC. When appropriate, special construction charges will be prorated to CLECs based upon the relationship of their assigned square footage to the total assignable square feet made available through the special construction project. |

# 2. Physical Collocation
## 2.6 Application of Rates and Charges

| 2.6.9 Taxes | |
|---|---|
| A. | The CLEC is responsible to reimburse the Telephone Company for any taxes that are levied except for income taxes on the Telephone Company resulting from transactions associated with physical collocation. |

| 2.6.10 Site Survey/Report Fee | |
|---|---|
| A. | An NRC applies per request, per central office. If a CLEC submits an application for physical collocation within thirty days of receipt of the site survey/report, 50% of this fee will be applied to the CLEC's application fee. |

| 2.6.11 Security Access Cards | |
|---|---|
| A. | An NRC applies per five cards. |

| 2.6.12 Splitter Arrangements | |
|---|---|
| A. | **Augment NRCs**—When a splitter arrangement is to be installed as part of an existing physical collocation arrangement, the Augment-Rearrangement of Equipment Application Fee NRC and Augment-Rearrangement of Equipment Engineering and Implementation NRC contained in Part E, Sections 3.5.2A3 and 3.5.3C will apply. |
| B. | **Splitter Installation NRC**—Applies, per shelf, for Telephone Company engineering and installation of the CLEC-provided splitter. |
| C. | **Splitter Support**—Monthly rate applies, per shelf, for Option C splitter arrangements only. |
| D. | **Administration and Support of Splitter**—Monthly rate applies, per shelf for Option A splitter arrangements. |
| E. | **Maintenance, Administration and Support of Splitter**—Monthly rate applies, per shelf for Option C splitter arrangements. |

| 2.6.13 Miscellaneous Collocation Power Service Charge | |
|---|---|
| A. | Whenever the Telephone Company is required to perform work on a collocation arrangement as a result of a CLEC's order for a reduction in power requirements (e.g., change in fuse size), the Telephone Company will assess an NRC. The NRC applies for the first half hour (or fraction thereof) and each additional quarter hour (or fraction thereof) per technician, per occurrence. The NRC is the same as that specified for escort under Part M, Section 5.2.6 of this tariff. If a CLEC orders a power reduction prior to June 5, 2001, where only a change in the fuse size is necessary, the Telephone Company will waive this NRC. This rate will also apply when the Telephone Company performs power inspections revealing a violation. |

# 2. Physical Collocation
## 2.6 Application of Rates and Charges

| 2.6.13 Miscellaneous Collocation Power Service Charge | |
|---|---|
| B. | If a CLEC orders a change in the power configuration requiring new –48 volt DC power feeds to the collocation arrangement, the Telephone Company will assess an NRC. In addition, if a CLEC's order for a reduction in DC power triggers the deployment of power cabling to a different power distribution point, the Telephone Company will assess an NRC. The Telephone Company will work cooperatively with the CLEC to configure the new power distribution cables and disconnect the old ones. |
| 1. | The NRC applies for the first half hour (or fraction thereof) and each additional quarter hour (or fraction thereof) per technician, per occurrence. The NRC is the same as that specified for escort under Part M, Section 5.2.6 of this tariff. |

# 3. Virtual Collocation
## 3.1 General

Unless otherwise specified herein, general regulations contained in Part A, Sections 1 through 4 and Part E, Sections 1 and 2 apply in addition to the regulations contained in this section. Rates and charges for service explained herein are contained in Part M, Section 5.3. (C)

| 3.1.1 Description | |
|---|---|
| A. | Virtual collocation is whereby the Telephone Company installs CLEC-provided equipment (which is dedicated exclusively to the CLEC) in a Telephone Company central office. Virtual collocation is provided by means of splicing the CLEC's fiber optic cable to a Telephone Company fiber at a splice point in the central office designated by the Telephone Company, or by means of other transport leased from the Telephone Company or from a third party. |
| 1. | Virtual collocation is available at other Telephone Company facilities, where technically feasible, for interconnection or access to unbundled elements. Access to unbundled elements is accomplished using distributing frame appearances of the central office based equipment. |
| a. | The physical point of interface for connection to the virtual arrangement is referred to as manhole zero. The Telephone Company shall maintain the fiber from manhole zero, into the central office. The fiber facilities outside of and leading up to the Telephone Company central office's manhole zero is referred to as outside plant. |
| 2. | All services are connected to the output cables of the virtual arrangement using Telephone Company designated cable assignment (i.e., not channel assignments). |
| B. | Virtual collocation is provided subject to the availability of suitable central office space and facilities. |
| C. | Virtual collocation will be offered via a standard arrangement of OC3, OC12, OC48 and lite-span with connections to services/elements at DS1 and DS3 electrical connections at DSX bays. The appropriate number of each type of connection will be set at the time of the original order and installation. |

| 3.1.2 Implementation | |
|---|---|
| A. | The Telephone Company will work cooperatively with the CLEC in the implementation planning process and conduct joint planning meetings as may be reasonably required. Planning activities include, but are not limited to, the outlining of major milestones, determining schedules, setting dates for training and delivery of CLEC provided equipment, determining spare plug-in requirements, and reporting delays or identifying other issues. |

# 3. Virtual Collocation
## 3.1 General

| 3.1.3 Cancellation | |
|---|---|
| A. | The Telephone Company may discontinue an arrangement or cancel an application for an arrangement without incurring any liability, under the following situations. |
| 1. | **Non-Payment**—When a CLEC fails to pay to the Telephone Company any sum owed for more than thirty days beyond the bill date, the Telephone Company may on thirty days advance written notice discontinue the furnishing of any new or existing arrangement. |
| 2. | **Tariff Violation**—When a CLEC violates terms or conditions contained within this tariff, or other tariffs which may be referenced herein, the Telephone Company may on thirty days advance written notice discontinue the furnishing of any new or existing arrangement. |
| a. | The Telephone Company may without advance written notice, discontinue the furnishing of any new, or existing arrangement when the Telephone Company determines that such violation adversely affects the Telephone Company network or poses harm to Telephone Company personnel, or interferes with the Telephone Company's ability to provide service to other CLECs. |
| 3. | **Violation of Law**—The Telephone Company may without advance written notice, discontinue the furnishing of any new, or existing arrangement when the Telephone Company determines that the CLEC has violated any law, rule or regulation of any governing authority. |
| 4. | When the Telephone Company is prohibited from furnishing virtual collocation, by order of a court or other governing authority. |
| B. | The CLEC may cancel or withdraw its application prior to turn-up, subject to the provisions of Section 3.5.2B. |

| 3.1.4 Transmission Failure | |
|---|---|
| A. | In the event of a transmission failure, the obligation to determine fault location, regardless of whether the fiber span is equipped with optical regeneration equipment, lies with the transmitting end. It is the responsibility of the receiving end to report incoming signal loss to the transmitting end. |

# 3. Virtual Collocation
## 3.2 Responsibility of the Telephone Company

| 3.2.1 | Accommodations |
|---|---|
| A. | Upon receipt of a completed virtual collocation application and the accompanying application fee, the Telephone Company will conduct an application review, an engineering review and a site survey at the requested central office. The Telephone Company will notify the CLEC of the results of the reviews and the survey within fifteen business days. |
| B. | The Telephone Company will retain project management responsibility and authority related to actual installation work done in the central office (i.e., decisions as to specific location of the equipment bay, termination panel appearance assignments, etc.). |
| C. | The dedicated terminal equipment inside the Telephone Company's central office will be handled in one of the following methods. |
| 1. | For virtual collocation arrangements established prior to June 30, 2000, it will be provided by the CLEC and ownership transferred to the Telephone Company for the sum of one dollar ($1.00). The Telephone Company will own and operate this equipment inside the central office. After successful installation and equipment testing by Telephone Company engineering, an asset transfer record will be made and both the Telephone Company and the CLEC will sign and retain a copy. A transfer record will also be made for the portion of the Telephone Company owned cable between manhole zero and the central office splice. On June 30, 2000, Telephone Company ownership of the dedicated terminal equipment provided by the CLEC will be converted to an operating lease. |
| 2. | For virtual collocation arrangements in effect or established after June 30, 2000, it will be provided by the CLEC and leased to the Telephone Company for the sum of one dollar ($1.00). The term of the operating lease will run for the duration of the virtual collocation arrangement, at which time the CLEC will remove the equipment. The CLEC will retain ownership of this equipment. The Telephone Company will exercise exclusive physical control over this equipment. The cabling between manhole zero and the central office splice will be included in the operating lease. |
| D. | The Telephone Company exercises exclusive control over the central office based equipment that terminates the CLEC's circuits. The Telephone Company is responsible for installing, maintaining (but not testing), and repairing the dedicated equipment, at the direction of the CLEC so as to assure proper operation of the virtually collocated facilities and equipment. |
| 1. | The Telephone Company will install, maintain and repair the CLEC equipment in the same manner as it performs similar functions for comparable Telephone Company equipment. |

# 3. Virtual Collocation
## 3.2 Responsibility of the Telephone Company

| 3.2.1 | Accommodations |
|---|---|
| E. | The Telephone Company shall monitor local central office and environmental alarms to support the equipment to the same extent that the Telephone Company monitors its own similar equipment. The Telephone Company will notify the CLEC if a local office alarm detects an equipment affecting condition. |
| 1. | The Telephone Company will not provide maintenance or service activities without the CLEC's direct instruction and authorization. All physical servicing of the equipment will be done by the Telephone Company or its agents. |
| F. | The Telephone Company will process and prioritize the trouble tickets in the same manner as it does for its own equipment, including the dispatch of a technician to the equipment. The technician will contact the CLEC at the number provided and service the equipment as instructed and directed by the CLEC. |
| G. | The Telephone Company will be responsible for pulling the fiber into and through to the cable entrance facility to the splice point, and will provide and mount the appropriate splice enclosure or shelf supplied by the CLEC, if required. All installations into the cable entrance facility are performed by Telephone Company personnel. |
| H. | Until all necessary training has been completed (refer to Section 3.3.3), the Telephone Company cannot designate the virtual arrangement as ready for service. |
| I. | CLECs who require a connection to Telephone Company optical services or elements will be provided an optical path from the fiber distribution frame. These service elements will be cross-connected at the fiber distribution frame using a transmit and receive fiber. The connection may not be purchased without direct association to an offered service or element, within the terms and conditions that apply for such service or element. |

| 3.2.2 | Plug-Ins and Spare Cards |
|---|---|
| A. | The Telephone Company will notify the CLEC of defective plug-ins. |
| 1. | The Telephone Company will not provide spare cards. |
| 2. | The Telephone Company is not responsible for any adversities which may occur due to the CLEC's failure to provide an adequate supply of plug-ins/cards or replacements. |
| B. | The Telephone Company will segregate and secure the CLEC-provided maintenance spares in the CLEC-provided spare plug-in/card cabinet. |
| C. | When the Telephone Company determines that a plug-in/card is defective, the Telephone Company will label the item as defective and place it in the CLEC-provided storage cabinet. |

# 3. Virtual Collocation
## 3.2 Responsibility of the Telephone Company

| 3.2.3 | Safety and Technical Standards |
|---|---|
| A. | The Telephone Company reserves all rights to terminate, modify or reconfigure an arrangement in the event that the CLEC's service is not in conformance with the regulations contained in this tariff, or if the arrangement imposes threat of harm or continued disruption upon the Telephone Company's network, or otherwise interferes with or adversely affects the Telephone Company's network, the safety of its employees, or if the arrangement interferes with the Telephone Company's ability to provide service to other CLECs. |
| 1. | Modification or reconfiguration includes but is not limited to, the Telephone Company's re-splicing of the CLEC-owned portion of the cable to another Telephone Company fiber optic cable. |

# 3. Virtual Collocation
## 3.3 Responsibility of the CLEC

| 3.3.1 | Ordering Service |
|---|---|
| A. | CLEC's must request virtual collocation through their Telephone Company point of contact. The point of contact will provide the CLEC a virtual collocation application through which they must convey their requirements and specify equipment to be installed in the central office. |
| 1. | Completed applications must be sent to the Telephone Company at the following address. |
| a. | Collocation Application Manager–Verizon, 125 High Street, Boston, MA 02110 or email to Collocation.applications@verizon.com. |
| B. | Applications are required when the CLEC requests that the Telephone Company provide for any of the following requirements. |
| 1. | **Initial Arrangement**—The CLEC's initial request for a virtual collocation arrangement at a Telephone Company premises. |
| 2. | **Subsequent Arrangement**—When a CLEC requests subsequent equipment additions to its existing virtual collocation arrangement. |
| 3. | **Augment–Rearrangement of Equipment**—When the CLEC requests cabling for an existing virtual collocation arrangement that was partially cabled and equipped. |
| 4. | **Software Upgrades/Additional Cards per Shelf**—Upgrading existing software or to replace cards. Adding cards to partially equipped equipment requires a full complement of plug ins. The CLEC must submit a method of procedure detailing the work functions to be performed by the Telephone Company for all software upgrades. All such upgrades will be performed by the Telephone Company at the direction of the CLEC. |
| C. | The selection and assignment of pairs for specific connections of unbundled elements shall be done by the CLEC as each unbundled element is ordered This assignment information shall be submitted with each unbundled element order. |

| 3.3.2 | Placement, Removal and Monitoring of Facilities and Equipment |
|---|---|
| A. | All cabling from manhole zero to the CLEC's facilities/equipment at the CLEC's premises remains the CLEC's responsibility with the CLEC performing all servicing and maintaining full ownership. |
| B. | The CLEC has the responsibility to remotely monitor and control their circuits which terminate in the Telephone Company's central office, however, the CLEC is not permitted entry into the Telephone Company's central office under virtual collocation arrangement. |

# 3. Virtual Collocation
## 3.3 Responsibility of the CLEC

| 3.3.2 | Placement, Removal and Monitoring of Facilities and Equipment |
|---|---|
| C. | Performance and surveillance monitoring as well as trouble isolation shall be performed by the CLEC. A clear distinction must be made by the CLEC when submitting reports of trouble on the Telephone Company services/elements connected to the virtually collocated equipment and for reports of trouble with equipment itself. Telephone Company technicians will service troubles on the Telephone Company services/elements connected to the virtually collocated equipment in accordance with standard processes. Troubles with equipment in a non-standard arrangement will require specially trained technicians familiar with the equipment (refer to Section 3.3.3). |
| D. | The CLEC is responsible for obtaining the appropriate licenses which may be required to accommodate the placement of their fiber in manhole zero. |
| E. | If the CLEC provides its own transport fiber for their virtual arrangement, the CLEC will arrange placement of the fiber into manhole zero, with enough length (as determined by the Telephone Company), to reach the Telephone Company-determined transition splice point where it will be spliced by Telephone Company personnel to Telephone Company provided fire retardant cable. |

| 3.3.3 | Use of Non-Standard Equipment |
|---|---|
| A. | When a CLEC requests that the Telephone Company use specific tools (e.g., electronic test sets), or deploy equipment which the Telephone Company does not normally use to provide service either to itself or to another CLEC, the CLEC arranges for (either directly or indirectly), and incurs all costs and expenses associated with the training of 50% (but no fewer than five) of the Telephone Company's technicians responsible for using such tools and servicing that equipment, and a minimum of four technicians responsible for installation of the equipment. |
| 1. | Training costs and expenses include but are not limited to, tuition, course materials, airfare, public or personal transportation (including IRS rates for personal car mileage), lodging, meals, and technician work time as loaded salary costs for the technician(s) while attending training, and traveling to/from training. The Telephone Company will provide the CLEC appropriate receipts, bills or statements, as proof of expenses. |
| B. | The Telephone Company will work cooperatively with the CLEC to determine mutually agreeable training and other associated arrangements. When a party other than the equipment vendor conducts such training, the CLEC is responsible to contact the appropriate equipment vendor(s) and secure the equipment vendor's confirmation, either verbally or in writing (prior to the actual training), that the training meets the equipment vendor's certification standards. |
| C. | In the event of an equipment upgrade, the CLEC is responsible to provide for secondary training as may be necessary, subject to the provisions contained herein. |

# 3. Virtual Collocation
## 3.3 Responsibility of the CLEC

| 3.3.4 | Additions and Rearrangements |
|---|---|
| A. | Once the Telephone Company determines that a CLEC has established a virtual collocation arrangement, changes to the existing configuration such as additions and rearrangements, are permitted. Additions and rearrangements include but are not limited to, growing, upgrading, and/or reconfiguring the current equipment. |
| 1. | If a CLEC requests a rearrangement of an existing arrangement, the CLEC must submit a new application outlining the details of the rearrangement, along with the appropriate application fee. |
| 2. | If a CLEC requests that new equipment be added to a previously established virtual collocation arrangement, the CLEC must submit a new application outlining the details of the subsequent equipment addition, along with the appropriate application fee. |

| 3.3.5 | Plug-Ins and Spare Cards |
|---|---|
| A. | The CLEC is responsible to provide the shop-wired piece of equipment fully pre-equipped with working plug-ins/cards. The CLEC shall provide the Telephone Company with maintenance spares for each plug-in/card type. The number of maintenance spares shall be the manufacturer's recommended amount, unless otherwise agreed to by the CLEC and the Telephone Company. In no event shall the number of spare plug-ins be less than two of each type. |
| 1. | The CLEC must test the spares prior to their delivery to the Telephone Company. |
| B. | The CLEC may elect to partially equip a piece of equipment at the time of initial installation. For any partially equipped piece of equipment, the shelves that are equipped must have a full complement of plug-ins. |
| C. | In addition to maintenance spares, the CLEC will also provide any unique tools or test equipment required to maintain, turn-up, or repair the equipment. |
| D. | The CLEC-provided rack mountable spare card cabinets which house the spare cards must meet the specifications of the Telephone Company. The cabinet(s) and a minimum number of maintenance spares must be provided prior to arrangement completion, before service is established. |
| E. | When notified by the Telephone Company of a defective plug, the CLEC is responsible for providing pre-tested replacement spares to the Telephone Company within one week of receiving the Telephone Company's notice. The CLEC is responsible to contact the appropriate Telephone Company party to arrange for exchange and replacement of the card. |

# 3. Virtual Collocation
## 3.3 Responsibility of the CLEC

| 3.3.6 | Safety and Technical Standards |
|---|---|
| A. | CLEC equipment located in a Telephone Company central office must meet the technical standards and safety requirements as specified herein. It is the responsibility of the CLEC to provide the Telephone Company with adequate documentation from an accredited source, certifying that the CLEC's equipment is in compliance with the specified standards and requirements. Should the CLEC not supply documentation or should the documentation be inadequate, the Telephone Company reserves the right to arrange for testing of the CLEC's equipment for purposes of determining compliancy or in order for the Telephone Company to ensure the safety of its personnel, equipment and/or operating network. The CLEC is responsible for all costs incurred by the Telephone Company for such testing. |
| B. | The CLEC's entrance facilities and splices must comply with GR-20-CORE, TR-NWT-001058, BR-760-200-030, and the blue book manual of construction procedures in SR-TAP-001441, as they relate to fire, safety, health, environmental safeguards and interface with the Telephone Company's services and facilities. |
| C. | The CLEC's equipment being installed in Telephone Company central offices must comply with GR-63-CORE, GR-1089-CORE, and the Telephone Company's central office environmental and transmission standards in effect at the time of equipment installation. The equipment must also comply with NIP 74165 as they relate to fire, safety, health, and environmental safeguards. |
| D. | The Telephone Company reserves the right to remove facilities and equipment from its list of approved products if such products, facilities and equipment are determined to be no longer compliant with NEBS standards or GR-1089-CORE. |

# 3. Virtual Collocation
## 3.4 Splitter Arrangements

| 3.4.1 | Description |
|---|---|
| A. | Splitter arrangements must be installed and connected in a CLEC's virtual collocation arrangement before an order for a line sharing arrangement may be submitted. |
| 1. | The splitter must be ANSI T1.413 or multiple virtual line compliant. Technical specifications described in Part E, Section 3.3.6 also apply. |
| B. | A splitter arrangement may be installed as part of an initial or subsequent virtual collocation application. |
| C. | The Telephone Company will inventory and maintain the CLEC-provided splitter in Telephone Company space within the same serving end office as the virtual collocation arrangement. The Telephone Company will direct any required work activity. The demarcation point is at the splitter end of the cable connecting the CLEC virtual collocation arrangement and the splitter. Cabling will be installed with the splitter as part of the virtual collocation augment. |
| 1. | The Telephone Company will provide a splitter inventory to the CLEC upon completion of the required splitter installation. |
| 2. | Depending on the CLEC's equipment configuration, the splitter may be installed in a relay rack as described in Part E, Section 2.5.1. |

# 3. Virtual Collocation
## 3.5 Application of Rates and Charges

| 3.5.1 General | |
|---|---|
| A. | The Telephone Company will apply charges and subsequently bill the CLEC upon completion of the installation, (i.e., when the Telephone Company has finished providing all elements of the installation that are under its control). The lack of readiness of the CLEC to utilize the completed arrangement will not impair the right of the Telephone Company to apply charges and commence billing. |

| 3.5.2 Application Fees | |
|---|---|
| A. | In order to process the CLEC's application, the following charges apply as appropriate. |
| 1. | **Initial Arrangement**—This NRC applies for a CLEC's initial request for a virtual collocation arrangement at a Telephone Company premises. |
| 2. | **Subsequent Arrangement**—This NRC applies when a CLEC requests subsequent equipment additions to its existing virtual collocation arrangement. |
| 3. | **Augment–Rearrangement of Equipment**—When the CLEC requests cabling for an existing virtual collocation arrangement that was partially cabled and equipped, an NRC applies. This charge also applies if the CLEC has an existing virtual collocation arrangement that is fully cabled and equipped, and the CLEC requests that the equipment be reconfigured and/or recabled. Rearrangements are subject to this same NRC. |
| 4. | **Software Upgrades/Additional Cards per Shelf**—No application fee applies in association with software upgrades or adding cards to partially equipped equipment. |
| B. | If the CLEC cancels or withdraws its application prior to turn-up, the CLEC is liable for all costs and liabilities incurred by the Telephone Company in developing, establishing, or otherwise furnishing of the arrangement, up to the point that the application was cancelled or withdrawn. |
| C. | If a CLEC cancels its request prior to installation, the application fee will be refunded, less any costs incurred by the Telephone Company. |

| 3.5.3 Engineering and Implementation | |
|---|---|
| A. | **Initial Arrangement**—This NRC applies for a CLEC's initial request for a virtual collocation arrangement at a Telephone Company premises. |
| B. | **Subsequent Arrangement**—This NRC applies when a CLEC requests subsequent equipment additions to its existing virtual collocation arrangement. |

# 3. Virtual Collocation
## 3.5 Application of Rates and Charges

| 3.5.3 | Engineering and Implementation |
|---|---|
| C. | **Augment–Rearrangement of Equipment**—When the CLEC requests cabling for an existing virtual collocation arrangement that was partially cabled and equipped, an NRC applies. This charge also applies if the CLEC has an existing virtual collocation arrangement that is fully cabled and equipped, and the CLEC requests that the equipment be reconfigured and/or recabled. Rearrangements are subject to this same NRC. |
| D. | **Software Upgrades/Additional Cards per Shelf**—This NRC applies on a per shelf basis for upgrading existing software or to replace cards. |

| 3.5.4 | Installation/Acceptance Testing |
|---|---|
| A. | This NRC provides for the installation of the virtually collocated equipment. |
| 1. | An installation fee will be developed on an individual case basis for CLEC-specified equipment which is non-standard or equipment which cannot be adequately classified as either OC3, OC12, OC48 or lite-span. |
| B. | The installation charge will be billed to the CLEC on the first bill cycle after completion of the arrangement. |
| C. | The CLEC is responsible for all expenses associated with licensing, and placing their fiber in manhole zero. |

| 3.5.5 | Interconnection Access Charge (IAC) |
|---|---|
| A. | An IAC NRC provides for the cost of engineering, furnishing, and installing the cabling between the collocated equipment and the Telephone Company's distribution/cross connect frames, along with associated termination block or panel. If a non-standard arrangement requires special cabling or equipment, this charge will be adjusted accordingly. There will be a separate NRC assessed at each transmission rate at the time of the equipment installation to recover all costs for materials and installation. |
| B. | An IAC monthly charge applies per termination for the ongoing support of the cabling and its associated terminations on Telephone Company equipment. The charge is applied on a per termination basis and is added coincident with the connection of each unbundled element to the virtual collocation arrangement. IACs are applied on a per termination basis for connections between the virtual arrangement and the FDF or other distributing frame used depending on the type of equipment installed. For line sharing arrangements, two 2W voice grade terminations will apply per line. |

# 3. Virtual Collocation
## 3.5 Application of Rates and Charges

| 3.5.6 | Fiber Placement and Splicing |
|---|---|
| A. | Time and materials charges apply, per Telephone Company technician/engineer, for pulling the fiber from manhole zero to the splice point and performing the splice to Telephone Company provided optical fiber non-metallic riser-rated (OFNR) type cable. The technician's/engineer's time is multiplied by the appropriate labor rates contained in Part M. |

| 3.5.7 | Entrance Fiber Termination |
|---|---|
| A. | An entrance fiber termination charge applies for providing and servicing the OFNR-type fibers and associated FDF termination. This also includes the support service for the CLEC-provided, Telephone Company-owned outside plant cable from manhole zero. This monthly charge applies, on a per termination basis in units of twelve strands. This charge also provides for the splice enclosure. |

| 3.5.8 | Fiber Distribution Frame (FDF) |
|---|---|
| A. | The FDF to virtual serving arrangement rate applies per two fibers for the cross connect at the FDF, as well as for the associated cabling to the virtual arrangement. This rate applies only when the CLEC provides their own fiber to the Telephone Company manhole. |

| 3.5.9 | Direct Current (DC) Power |
|---|---|
| A. | A monthly charge applies for the provision of –48V DC protected power required by the CLEC's equipment. It is assessed per load amp based on the total number of load amps ordered on each feed. |

| 3.5.10 | Equipment Support |
|---|---|
| A. | This monthly charge provides for monthly support services, such as the cost of providing rack space, environmental support, central office alarming to directly support the equipment itself. Rack space is comprised of the cost of providing, on a monthly basis, space for the equipment to be mounted, but specifically excludes direct current power and fuse panel. Environmental and building support is also provided for in this charge. |

# 3. Virtual Collocation
## 3.5 Application of Rates and Charges

### 3.5.11 Spare Cabinet

A. This monthly charge applies for the space required for the spare cabinet. A spare cabinet is required to be placed and installed in the central office to contain spare plug-ins. The cabinet should be provided by the CLEC per the Telephone Company's specifications. The amount of spare plug-ins required will be based on the manufacturer's recommended amount, unless the Telephone Company and the CLEC mutually decide upon another amount. The rate applies according to geographic designations.

### 3.5.12 Training

A. When the Telephone Company determines that training of Telephone Company technicians is necessary so as to service CLEC specified equipment that is not used by the Telephone Company in the specified central office (i.e. nonstandard arrangement equipment), the CLEC is responsible for all charges incurred by the Telephone Company in association with technician training. Refer to regulations for use of non-standard equipment.

### 3.5.13 Maintenance

A. Maintenance activity (trouble in the equipment) is to be tested, isolated and evaluated by the CLEC. Telephone Company technicians will perform the instructed activities on the equipment as specifically directed by the CLEC. The technician's time spent servicing the virtual arrangement at the CLEC's discretion will be billed to the CLEC on a per occurrence basis, at the appropriate labor rates.

### 3.5.14 Additional Labor Charges

A. Whenever work is performed on a virtual arrangement that is not a part of implementing or provisioning a standard virtual arrangement, additional labor charges apply. Additional labor charges include but are not limited to the following examples.

1. Escort service
2. Implementation or provisioning a non-standard arrangement
3. Additions and rearrangements

### 3.5.15 Late Payment Penalty

A. Charges specified in Part A, Section 4 apply.

# 3. Virtual Collocation
## 3.5 Application of Rates and Charges

| 3.5.16 | Splitter Arrangements |
|---|---|
| A. | **Augment NRCs**—When a splitter arrangement is to be installed as part of an existing virtual collocation arrangement, the Augment–Rearrangement of Equipment Application Fee NRC and Augment-Rearrangement of Equipment Engineering and Implementation NRC will apply. |
| B. | **Splitter Installation NRC**—Applies, per shelf, for Telephone Company engineering and installation of the CLEC-provided splitter. |
| C. | **Splitter Support**—Monthly rate applies, per shelf, for splitters deployed in a separate relay rack as part of the virtual collocation arrangement. |
| D. | **Maintenance, Administration and Support of Splitter**—Monthly rate applies, per shelf, for splitter arrangements. |

| 3.5.17 | Miscellaneous Collocation Power Service Charge |
|---|---|
| A. | Whenever the Telephone Company is required to perform work on a collocation arrangement as a result of a CLEC's order for a reduction in power requirements (e.g., change in fuse size), the Telephone Company will assess an NRC. The NRC applies for the first half hour (or fraction thereof) and each additional quarter hour (or fraction thereof) per technician, per occurrence. The NRC is the same as that specified for escort under Part M, Section 5.2.6 of this tariff. If a CLEC orders a power reduction prior to June 5, 2001, where only a change in the fuse size is necessary, the Telephone Company will waive this NRC. This rate will also apply when the Telephone Company performs power inspections revealing a violation. |
| B. | If a CLEC orders a change in the power configuration requiring new –48V DC power feeds to the collocation arrangement, the Telephone Company will assess an NRC. In addition, if a CLEC's order for a reduction in DC power triggers the deployment of power cabling to a different power distribution point, the Telephone Company will assess an NRC. The Telephone Company will work cooperatively with the CLEC to configure the new power distribution cables and disconnect the old ones. |
| 1. | The NRC applies for the first half hour (or fraction thereof) and each additional quarter hour (or fraction thereof) per technician, per occurrence. The NRC is the same as that specified for escort under Part M, Section 5.2.6 of this tariff. |

# 4. Microwave Collocation
## 4.1 General

Unless otherwise specified herein, general regulations contained in Part A, Sections 1 through 4 and Part E, Sections 1 and 2 apply in addition to the regulations contained in this Section. Rates and charges for service explained herein are contained in Part M, Section 5.4.

| 4.1.1 | Description |
|---|---|
| A. | Microwave collocation, which is available where technically feasible, provides for the interconnection of CLEC-provided facilities, equipment and support structures located in, on, or above the exterior walls and roof of those Telephone Company central offices/wire centers. |
| 1. | Microwave collocation is available on a first-come first-served basis. |
| B. | The microwave equipment may include microwave antennas, mounts, towers or other antenna support equipment on the exterior of the building, and radio transmitter/receiver equipment located either inside or on the exterior of the building. All microwave antennas must be physically interconnected to Telephone Company facilities through the collocation arrangement. |
| C. | When interconnecting via microwave facilities, transmitter/receiver equipment may be located in the multiplexing node, or in a separate location inside, or on the exterior of the building as determined by the Telephone Company. |

# 4. Microwave Collocation
## 4.2 Responsibility of the Telephone Company

| 4.2.1 | Accommodations |
|---|---|
| A. | The Telephone Company will provide space within the cable riser, cable rack support structures and between the transmitter/receiver space and the roof space needed to reach the collocation arrangement (i.e., arrangements specified in Section 1 or Section 2) and to access the Telephone Company point of termination. |
| 1. | Waveguide may not be placed in Telephone Company cable risers or racks. |
| 2. | The Telephone Company reserves the right to prohibit the installation of wave-guide, metallic conduit and coaxial cable through or near sensitive equipment areas. |
| 3. | The route of the waveguide and/or coaxial cable as well as any protection required will be discussed during the pre-construction survey. |
| B. | The Telephone Company will designate the space in, on or above the exterior walls and roof of the central office which will constitute the roof space or transmitter/receiver space. |
| 1. | The Telephone Company may require the CLEC's transmitter/receiver equipment to be installed in a locked cabinet which may be free standing, wall mounted or relay rack mounted. |
| 2. | The Telephone Company may enclose the CLEC's multiplexing node or transmitter/receiver equipment in a cage or room. |
| C. | At the option of the Telephone Company, the antenna support structure shall be built, owned and maintained by either the Telephone Company or by the CLEC. The Telephone Company reserves the right to use existing support structures for a CLEC's antenna, subject to space and capacity limitations. The Telephone Company also reserves the right to use any unused portion of a support structure owned by a CLEC for any reason, subject to the provisions contained herein. It shall be the responsibility of the owner of the support structure to maintain a record of the net book value of the structure. |
| 1. | When the Telephone Company is the owner of the structure, it shall keep such records in accordance with the FCCs Part 32 uniform system of accounts. |
| 2. | When the CLEC is the owner of the structure, it shall keep such records in accordance with generally accepted accounting principles. |
| D. | The owner of the support structure shall use reasonable efforts to accommodate requests by other CLECs to use the support structure for microwave interconnection on a first-come first-served basis, subject to the provisions of Section 4.4. |

# 4. Microwave Collocation
## 4.2 Responsibility of the Telephone Company

| 4.2.2 | Safety and Technical Standards |
|---|---|
| A. | The Telephone Company reserves the right to remove facilities and equipment from its list of approved products if such products, facilities and equipment are determined to be no longer compliant with NEBS standards or electromagnetic compatibility and electrical safety generic criteria for network telecommunication equipment specified in GR-1089-CORE. |
| B. | The Telephone Company reserves the right to review wind or ice loadings, etc., for antennas over eighteen inches in diameter or for any multiple antenna installations, and to require changes necessary to insure that such loadings meet generally accepted engineering criteria for radio tower structures. |
| C. | The minimum height of equipment placement, such as microwave antennas, must be eight feet from the roof. |
| 1. | For masts, towers and/or antennas over ten feet in height, the CLEC or if applicable, the Telephone Company, shall have the complete structure, including guys and supports, inspected every two years by an acceptable licensed professional engineer of its choice specializing in this type of inspection. |
| 2. | For CLEC owned structures that are solely for the use of one CLEC's antenna(s), such inspection will be at the CLEC's own cost and expense. |
| 3. | For structures used by multiple CLECs, the costs associated with such inspection shall be apportioned based on relative capacity ratios. A copy of this report may be filed with the Telephone Company within ten days of the inspection. The owner shall be responsible to complete all maintenance and/or repairs, as recommended by the engineer, within ninety days. |

| 4.2.3 | Security |
|---|---|
| A. | The Telephone Company will permit the CLEC's employees, agents and contractors approved by the Telephone Company, to access the areas where the CLEC's microwave antenna and associated equipment (e.g., tower and support structure, transmitter/receiver equipment, and waveguide and/or coaxial cable) is located, during business hours, for purposes of installation and routine maintenance, provided that the CLEC employees, agents and contractors comply with the policies and practices of the Telephone Company pertaining to fire, safety and security. Such approval will not be unreasonably withheld. |
| 1. | During non-business hours, the Telephone Company will provide access on a per event basis. |
| 2. | The Telephone Company will also permit all approved employees, agents and contractors of CLECs to have access to the CLEC's cable and associated equipment (e.g., repeaters). This will include access to riser cable, cableways, and any room or area necessary for access. |

# 4. Microwave Collocation
## 4.3 Responsibility of the CLEC

| 4.3.1 | Safety and Technical Standards |
|---|---|
| A. | The CLEC shall provide written notice to the Telephone Company of any complaint (and resolution of such complaint) by any governmental authority or others pertaining to the installation, maintenance or operation of the CLEC's facilities or equipment located in roof space or transmitter/receiver space. The CLEC also agrees to take all necessary corrective action. |
| B. | All CLEC microwave equipment to be installed in or on the exterior of the Telephone Company central offices must be on the Telephone Company's list of approved products or equipment that is demonstrated as complying with the technical specifications described herein. Where a difference may exist in the following specifications, the more stringent shall apply. |
| C. | The CLEC must comply with Telephone Company technical specifications for microwave collocation interconnection specified in NIP–74171, and digital switch environmental requirements specified in NIP–74165, as they relate to fire, safety, health, environmental, and network safeguards, and ensure that CLEC provided equipment and installation activities do not act as a hindrance to Telephone Company services or facilities. The CLEC's equipment placed in or on roof space or transmitter/receiver space must also comply with all applicable rules and regulations of the FCC and the FAA. |
| D. | CLEC facilities shall be placed, maintained, relocated or removed in accordance with the applicable requirements and specifications of the current edition of NIP–74171, national electric code, the national electric safety code, rules and regulations of OSHA, and any governing authority having jurisdiction. |
| E. | All CLEC microwave facilities must comply with CEF, BR–760–200–030 and SR–TAP–001421. and the Telephone Company's practices as they relate to fire, safety, health, environmental safeguards, transmission and electrical grounding requirements, or interferences with Telephone Company services or facilities. |
| F. | The equipment located in, on, or above the exterior walls or roof of the Telephone Company's building must either be on the Telephone Company's list of approved products or fully comply with requirements specified in GR–63–CORE, GR–1089–CORE, and NIP–74171. This equipment must also comply with IP72201 and central office engineering environmental and transmission standards as they relate to fire, safety, health, environmental safeguards, or interference with Telephone Company service or facilities. |
| G. | Each transmitter individually and all transmitters collectively at a given location shall comply with appropriate federal, state and/or local regulations governing the safe levels of radio frequency radiation. The minimum standard to be met by the CLEC in all cases is specified in ANSI C95.1–1982. |

# 4. Microwave Collocation
## 4.3 Responsibility of the CLEC

| 4.3.2 | Placement and Removal of Facilities and Equipment |
|---|---|
| A. | Prior to installation of the CLEC's facilities or transmission equipment for microwave interconnection, the CLEC must obtain at its sole cost and expense all necessary licenses, permits, approvals, and/or variances for the installation and operation of the equipment and particular microwave system, and when applicable for any towers or support structures, as may be required by authorities having jurisdiction. |
| B. | The CLEC is not permitted to penetrate the building exterior wall or roof when installing or maintaining transmission equipment and support structures. All building penetration will be done by the Telephone Company or a hired agent of the Telephone Company. |
| C. | Any CLEC's equipment used to produce or extract moisture must be connected to existing or newly constructed building or roof top drainage systems, at the expense of the CLEC. |
| D. | The CLEC will be responsible for supplying, installing, maintaining, repairing and servicing the following microwave specific equipment regardless of where it may be placed. |
| 1. | Its waveguide, waveguide conduit, and/or coaxial cable, the microwave antenna and associated tower and support structure and any associated equipment; and the transmitter/receiver equipment. |

| 4.3.3 | Moves, Replacements or Other Modifications |
|---|---|
| A. | Where the CLEC intends to modify, move replace or add to equipment or facilities within or about the roof space or transmitter/receiver space(s) and requires special consideration (e.g., use of freight elevators, loading dock, staging area, etc.), the CLEC must request and receive written consent from the Telephone Company. Such consent will not be unreasonably withheld. The CLEC shall not make any changes from initial installation in terms of the number of transmitter/receivers, type of radio equipment, power output of transmitters or any other technical parameters without the prior written approval of the Telephone Company. |

# 4. Microwave Collocation
## 4.4 Application of Rates and Charges

| 4.4.1 General | |
|---|---|
| A. | Rates and charges as specified for collocation arrangements described in Sections 2 and 3 apply in addition to the rates and charges specified herein. |
| B. | Monthly rates for space and cable also apply for microwave collocation. The monthly rate for space applies per square foot of multiplexing node roof space and transmitter receiver space. The monthly rate for cable applies per foot, per innerduct, and is measured based on the point at which the cable enters the building from the roof. |

| 4.4.2 Space and Facilities | |
|---|---|
| A. | Monthly rates, which will be developed on an individual case basis, apply for the space (generally on the central office roof) associated with Telephone Company or CLEC-owned antenna support structures. The rate is calculated using the rate per square foot multiplied by the square footage of the foot print, the product of which is multiplied by the CLEC's relative capacity ratios (RCRs), (i.e., the sum of the RCRs of each of the CLEC's antennas). |
| 1. | Square footage for the footprint will be based on the length times width of the entire footprint formed on the horizontal plane (generally the roof top) by the antenna(s), tower(s), mount(s), guy wires and/or support structures used by the CLEC. For a nonrectangular footprint, the length will be measured at the longest part of the footprint and the width will be the widest part of the footprint. |
| B. | The owner of the support structure (refer to Section 4.2.1) may charge CLECs proposing to use the structure, on a one-time basis, for the following costs and/or values. |
| 1. | Any incremental costs associated with installing the user's antenna, including but not limited to, the costs of engineering studies, roof penetrations, structural attachments, support structure modification or reinforcement, zoning and building permits. |
| 2. | A portion of the net book value of the support structure based on the RCR of the user's proposed antenna(s) to be mounted on the structure. |
| a. | A user's RCR represents the percent of the total capacity of the support structure used by user's antenna(s) on the structure. Spare capacity shall be deemed to be that of the owner of the structure. RCRs shall be expressed as a two place decimal number, rounded to the nearest whole percent. The sum of all user's RCRs and the owner's RCR shall at all times equal 1.00. |
| b. | It shall be the responsibility of the owner of the structure to provide the proposed user the net book value of the structure at the time of the proposed use. Upon request, the owner shall also provide the proposed user accounting records or other documentation supporting the net book value. |

# 4. Microwave Collocation
## 4.4 Application of Rates and Charges

| 4.4.2 | Space and Facilities |
|---|---|
| C. | The owner of the structure may not assess other users of the structure any charges in addition to the one-time charge, except that the owner of the structure may assess other user's a proportionate share of inspection costs and the Telephone Company may assess microwave CLECs monthly recurring charges for use of its roof space. At the time a CLEC (including the owner) proposes to attach additional antenna(s) to an existing support structure, it shall be the responsibility of that CLEC to obtain, at their cost and expense, an engineering analysis by a registered structural engineer to determine the relative capacity ratio of all antennas on the structure, including the proposed antenna(s). |
| D. | When a CLEC is the owner of the structure, the proposed user shall pay the owner directly the one-time charge. When the Telephone Company is the owner of the support structure, it shall determine the charge on an individual case basis. In the event that a CLEC who owns the support structure fails to comply with these provisions, at the Telephone Company's option, ownership of the support structure shall transfer to the Telephone Company. |
| E. | Costs incurred by the Telephone Company to conduct a review for wind or ice loadings (etc.) for antennas over eighteen inches in diameter, or for any multiple antenna installations, and any changes which may be required thereto in order to insure that such loadings meet generally accepted engineering criteria for radio tower structures, will be billed to the CLEC. |

| 4.4.3 | Cable Rack |
|---|---|
| A. | A rate will be developed on an individual case basis which will cover the total length of the coaxial cable or waveguide cable between the multiplexing node and the microwave antenna and/or transmitter receiver space. |

| 4.4.4 | Conduit and Space |
|---|---|
| A. | Conduit and space fees apply from the serving wire center manhole to the collocated customer cage for the conduit and/or rack space. Charges apply monthly, per foot/per duct and per foot/per half duct. |

| 4.4.5 | Emergency Power and/or Environmental Support |
|---|---|
| A. | In the event special work must be done by the Telephone Company to provide emergency power or environmental support to the transmitter/receiver equipment or antenna, the CLEC will be billed time and materials charges which will be developed on an individual case basis for the costs incurred. |

# 4. Microwave Collocation
## 4.4 Application of Rates and Charges

| 4.4.6 | Escort Service |
|---|---|
| A. | When a CLEC is escorted by a qualified Telephone Company employee for access to the roof space, transmitter/receiver space, or cable risers and racking for maintenance, NRCs will apply. |

| 4.4.7 | Building Penetration |
|---|---|
| A. | When building penetration is performed by the Telephone Company, charges will be assessed on an individual case basis. Costs for building penetration will be paid by the CLEC. |

# 5. Interconnection Between Collocated Spaces
## 5.1 Dedicated Transit Service (DTS)

Unless otherwise specified herein, general regulations contained in Part A, Sections 1 through 4 apply in addition to the regulations contained in this Section. Rates and charges for service explained herein are contained in Part M, Section 5.5.

| 5.1.1 | Description | |
|---|---|---|
| A. | DTS, which allows for interconnection between CLECs, provides a dedicated electrical path between collocation arrangements (i.e., physical and virtual arrangements), of the same or of two different CLECs in the same Telephone Company central office location, using Telephone Company provided distribution facilities. DTS is available for voice grade, DS1, DS3/STS-1 and dark fiber cross connects. In addition, the Telephone Company will also provide other technically feasible cross-connection arrangements, including lit fiber, on an individual case basis as requested by a CLEC. The Telephone Company will offer DTS as long as such access is technically feasible. | (C) \| (C) |
| B. | DTS is only available when both collocation arrangements (either physical and/or virtual) are within the same central office locations, provided that the collocated equipment is also used for interconnection with the Telephone Company or for access to unbundled network elements. | (C) \| (C) |
| 1. | The Telephone Company shall provide such DTS connections from the CLEC's collocation arrangement to another collocation arrangement of the same CLEC within the same Telephone Company premises, or to a collocation arrangement of another CLEC in the same Telephone Company premises. | |
| C. | The DTS arrangement requires one CLEC to provide cable assignment information for itself as well as for the other CLEC. The Telephone Company will not make cable assignments for DTS. | |
| D. | DTS also allows for one CLEC to connect two of its own virtual collocation arrangements in the same Telephone Company premises. | |
| E. | DTS is provided at the same transmission level from one CLEC to the other CLEC. | |

| 5.1.2 | Responsibility of the CLEC |
|---|---|
| A. | **Ordering, Provisioning, Payment, Maintenance and Disconnection of Service**—The ordering CLEC is responsible for all ordering, provisioning, bill payment, disconnect orders and maintenance transactions. |
| 1. | The ordering CLEC is the customer of record. |
| 2. | The ordering CLEC must provide a letter of agency from the other CLEC that may be involved in the DTS connection. |

# 5. Interconnection Between Collocated Spaces
## 5.2 Dedicated Cable Support (DCS)

This service is only furnished to CLECs with existing DCS arrangements. (N)
Additions, rearrangements and moves are not permitted. (N)

| 5.2.1 | Service Description |
|---|---|
| A. | The Telephone Company will permit CLECs that are physically collocated within the same common area room to provision, upon request, the cabling and racking necessary to interconnect between each other. |
| B. | DCS may be provided to support VG, DS1, DS3 and fiber optic cables. Fiber jumpers will be permitted, as approved by the Telephone Company on a temporary basis, subject to removal within sixty days of installation. |
| C. | Fiber splicing within DCS will be considered on a case by case basis subject to approval by the Telephone Company. |
| D. | DCS may be shared by multiple CLECs, at the discretion of the CLEC who owns the DCS structure ("CLEC of Record"). |
| E. | The provisioning of DCS will be under the direct supervision of the Telephone Company and must meet the Telephone Company's specifications. The Telephone Company will designate locations for placement of DCS where technically feasible and based upon space availability. |
| F. | DCS will be available pursuant to space availability within the serving wire center. The Telephone Company will process, on a first-come, first-served basis, CLEC requests to install cable racking for DCS. |
| G. | Prior to beginning any delivery, installation, replacement or removal work for DCS or cabling between collocation arrangements, the CLEC must obtain the Telephone Company's written approval of the CLEC's proposal scheduling the work. Methods of procedures will be mutually agreed to and signed by the participating CLECs and the Telephone Company. |

| 5.2.2 | Responsibility of the CLEC |
|---|---|
| A. | CLECs must establish a physical collocation arrangement. CLEC collocated equipment must be used for interconnection with Telephone Company or access to Telephone Company unbundled network elements. |
| B. | The CLEC is responsible for the installation and maintenance of all cabling and connections between the collocation arrangements. The CLEC is responsible for contracting directly with a Telephone Company approved vendor. The vendor used to provision DCS must be on the Telephone Company's list of approved vendors. A CLEC may request that a qualified vendor be added to the Telephone Company's list pending approval. |

# 5. Interconnection Between Collocated Spaces
## 5.2 Dedicated Cable Support (DCS)

| 5.2.2 | Responsibility of the CLEC | |
|---|---|---|
| C. | The CLEC must adhere to Telephone Company practices and safety requirements for central office cabling (GR-409-CORE and National Electrical Code) as they relate to fire, safety, health and environmental safeguards. | (X) \| (X) |
| D. | If the CLEC vacates the collocation and/or DCS arrangement, is the only CLEC to provision a DCS arrangement, and such space is immediately needed for other purposes, the CLEC requesting such arrangement is responsible to restore the space to its original condition. If the CLEC fails to restore the space to its original condition, the Telephone Company reserves the right to restore the space to its original condition and the CLEC will be responsible to reimburse the Telephone Company for all costs. | |
| E. | When multiple CLECs occupy more than one collocation arrangement, within the same serving wire center, the CLECs may interconnect their collocated equipment contained in such spaces. At these locations, the CLEC originating the request (the CLEC of Record) will be responsible for supplying, installing and maintaining the cabling between the different space locations. | |

| 5.2.3 | Responsibility of the Telephone Company |
|---|---|
| A. | Liability—The Telephone Company is not responsible for any damage or harm to the CLEC or other customer's equipment, facilities or personnel resulting from this activity. The CLEC is responsible for any damage or harm to the Telephone Company or Telephone Company customer equipment, facilities or personnel resulting from this activity. |

# 5. Interconnection Between Collocated Spaces
## 5.3 Application of Rates and Charges

| 5.3.1 DTS | | |
|---|---|---|
| A. | **Service Order**—An NRC applies on a standard interval or expedited order basis, per DTS service order request, to recover the costs for order placement and issuance provided by the Telephone Company. Expedited charges apply when intervals shorter than those negotiated are requested or if the CLEC requests that the work be done outside the normal scheduled work hours. | |
| B. | **Manual Intervention Surcharge**—Applies when the electronic ordering system is not used to place an order for service. Applies in addition to the Service Order charge. | (N)<br>(N) |
| C. | **Service Connection/Circuit Provisioning**—An NRC applies on a standard interval or expedited order basis, to recover the costs for circuit engineering, circuit wiring and turn-up (etc.). Provisioning charges apply per voice grade, DS1, DS3/STS-1, dark fiber and lit fiber cross connects. Expedited NRCs apply when intervals shorter than those negotiated are requested or if the CLEC requests that work be done outside of the normal scheduled work hours. | (T)<br>(C)<br>(C) |
| D. | **Monthly Rate**—Each DTS service will have one transmission level applied per connection. The appropriate service access charge(s) and/or the appropriate interconnection access charge(s) will apply. | (T) |

| 5.3.2 DCS | | |
|---|---|---|
| A. | An NRC will apply to recover costs for expenses associated with the Telephone Company engineering time for each request for DCS. | |

# 6. Secured Collocation Open Physical Environment (SCOPE)

## 6.1 Description

Unless otherwise specified herein, general regulations contained in Part A, Sections 1 through 4 and Part E, Sections 1 and 2 apply in addition to the regulations contained in this Section. Rates and charges for service explained herein are contained in Part M, Section 5.6.

| 6.1.1 | General |
|---|---|
| A. | SCOPE is a form of physical collocation in which CLECs can place their equipment in the Telephone Company central office without enclosing that equipment in a cage. SCOPE enables CLECs that do not want a standard cage-enclosed multiplexing node, to install one or more bays of non-Telephone Company owned/operated equipment in a secure, separated area within the Telephone Company central office. This arrangement will be located in the same secure, environmentally conditioned area currently utilized for the standard physical collocation arrangement. |
| 1. | SCOPE is available on a first-come, first-served basis and subject to the availability of space and facilities in each central office where interconnection or access to unbundled network elements is requested by the CLEC. |
| 2. | The CLEC must install a minimum of one shelf of working equipment equipped with plug-ins when installing a SCOPE equipment bay. Equipment bays must be fully equipped with common plug-ins prior to adding subsequent equipment bays. |
| 3. | All terms and conditions for physical collocation apply in addition to the provisions contained herein. |
| B. | Each individual CLEC is responsible for providing and installing its own equipment and equipment bay in the designated area and for performing all maintenance related activities up to the CLEC side of a shared point of termination (SPOT) bay. The CLEC's responsibilities include performing the cross connect or strapping at the SPOT bay in the same manner as performed for standard physical collocation. |
| 1. | The required space per bay is fifteen square feet. |
| 2. | The SPOT bay is the connection point between the collocated equipment and the Telephone Company network and is shared by all CLECs in the SCOPE area. The SPOT bay is the demarcation point. Within the SPOT bay the individual terminal block/subpanel will be ordered by and dedicated to each CLEC. |

# 6. Secured Collocation Open Physical Environment (SCOPE)
## 6.2 Responsibility of the Telephone Company

| 6.2.1 | Accommodations |
|---|---|
| A. | The Telephone Company will designate the floor space location specific for each bay of equipment installed. |
| B. | The Telephone Company will provide AC convenience outlets and –48V DC power, battery and generator backup power, heat, air-conditioning and other environmental support in connection with the CLEC's transmission equipment in the same manner it provides such support items in connection with its own transmission equipment within that central office. |
| 1. | –48V DC power shall be provided as specified in Part E, Section 2.2.1B1. AC convenience outlets and common aisle lighting will be provided for the entire SCOPE area and will be shared by all CLECs. |
| C. | The Telephone Company always provides the SPOT bay (frame and terminations). |

# 6. Secured Collocation Open Physical Environment (SCOPE)
## 6.3 Responsibility of the CLEC

| 6.3.1 | Description |
|---|---|
| A. | The CLEC may, at its own option and expense, provide a secured enclosure in the equipment bay that conforms with the Telephone Company's technical engineering specifications and NEBS requirements for a standard seven foot high equipment bay, not to exceed twenty-two inches in depth for the total footprint. |
| B. | The CLEC shall not store within the SCOPE area any ancillary equipment not permanently mounted within the bay. |
| C. | In addition to the terms and conditions regarding security measures set forth in Part E, Section 2, if the CLEC elects to provide a secured cabinet within the equipment bay or to secure the bay entirely, the CLEC will provide the Telephone Company with keys for direct access in the event of an emergency. In the event the Telephone Company is required to access the CLEC's secured bay on an emergency basis, the Telephone Company will notify the CLEC of such access within twenty-four hours. |
| D. | In the event that the CLEC requires additional lighting and/or AC outlets, the Telephone Company will pass through the vendor costs to the CLEC. |
| E. | The CLEC is responsible for the identification of all equipment and bay space in its SCOPE arrangement. |

# 6. Secured Collocation Open Physical Environment (SCOPE)
## 6.4 Application of Rates and Charges

| 6.4.1 | Implementation Charges |
|---|---|
| A. | **Engineering and Administration Fees** apply. |
| B. | **The SPOT Bay Frame NRC**—Applies for the SPOT bay frame the Telephone Company purchases and installs. |
| C. | **SCOPE Construction NRC**—Applies when equipment bays are placed in collocation space and includes AC outlets to be shared by CLECs, standard aisle lighting, cable racking, high level framing and any common grounding specific to the existing room. The charge is assessed per equipment bay installed. |
| D. | **Special Construction Charges** applicable for physical collocation will apply. |

| 6.4.2 | Monthly Rates |
|---|---|
| A. | **The Building Space Rate** applicable for physical collocation applies. The rate is assessed at 15 square feet per equipment bay. |
| B. | **The 60 amp or Less dc Power Rate** applicable for physical collocation applies. |
| C. | **The Conduit and Space Rate** applicable for physical collocation applies. |
| D. | **SAC SPOT Bay Termination**—Applies (as set forth in Part E, Section 2) per termination and is used for the connection of the SPOT Bay frame to the Telephone Company's equipment location. |
| E. | **SAC Cable and Frame Termination**—Applies (as set forth in Part E, Section 2) per termination and is used for the connection of the Telephone Company cables and frame terminations. |
| F. | **SPOT Bay Frame**—Applies for equipment terminations to be mounted in the SCOPE area. |
| G. | **Conduit**—The conduit rate applicable for physical collocation applies. |

| 6.4.3 | Other Charges |
|---|---|
| A. | **Escort Service**—The escort service NRC for physical collocation will apply. |
| B. | **Cable Pull and Splice**—The cable pull and splice rates for physical collocation will apply. |
| C. | **Site Survey/Report**—An NRC applies per request as appropriate (refer to Part E, Section 2.6.10). |
| D. | **Security Access Cards**—An NRC applies per five cards. |
| E. | **Miscellaneous Collocation Power Service Charge**—The miscellaneous collocation power service charge (NRC) specified for physical collocation applies. |

# 7. Shared Cages
## 7.1 Description

Unless otherwise specified herein, general regulations contained in Part A, Sections 1 through 4 apply in addition to the regulations contained in this Section. All terms and conditions for physical collocation as described in Part E, Sections 1 and 2 will also apply. In addition, the following terms and conditions will apply to shared cages.

| 7.1.1 | General |
|---|---|
| A. | A CLEC with physical collocation service under this section shall have the right to share its physical collocation arrangement with one or more additional entities, provided that all such entities are qualified to be collocators under this section and applicable provisions of law. All such entities must limit their collocation activities to those permitted under the tariff provisions specified herein. |
| B. | For established physical collocation arrangements, the initial CLEC is the Collocator of Record (COR), or the host collocator. The other collocator participating in the sharing arrangement is referred to as the guest. The COR and guest must each be collocating for the purpose of interconnecting to Telephone Company services. When two or more collocators request establishment of a new physical collocation arrangement to be used as a shared cage, one of the participating CLECs must agree to be the COR and the other to be the guest. |
| 1. | The COR is the Telephone Company's customer, and has all of the rights and obligations applicable under this tariff to CLECs purchasing physically collocated interconnection arrangements, including, without limitation, the obligation to pay all applicable charges, whether or not the COR is reimbursed for all or any portion of such charges by the guest. |
| 2. | Neither this tariff, nor any actions taken by the Telephone Company or COR in compliance with this tariff, shall create a contractual, agency, or any other type of relationship between the Telephone Company and the guest collocator in a sharing arrangement; and the Telephone Company does not assume any liability or obligation to the guest for any actions of the COR. |
| 3. | A guest must be a CLEC. |
| 4. | The involved collocators are solely responsible for determining whether to share a cage, and if so, upon what terms and conditions. |
| C. | The COR must notify the Telephone Company in writing of its intention to share its multiplexing node space. |
| D. | All occupancy and specific collocation arrangement communications will be between the COR and the Telephone Company as specified in this tariff. |

# 7. Shared Cages
## 7.1 Description

| 7.1.2 | Orders for Service |
|---|---|
| A. | Orders for connection to Telephone Company services must be placed by the COR. |
| 1. | The COR and guest may agree that such orders may be placed by the guest on behalf of the COR, but in such cases the Telephone Company must be provided with an acceptable letter of authorization explicitly authorizing the guest to place such orders. |
| 2. | When an order is placed by the guest in conformity with this section, the Telephone Company will send bills for the ordered services to the guest, and will accept payments from the guest to be applied to its own account. |

# 7. Shared Cages
## 7.2 Responsibility of the Telephone Company

| 7.2.1 | Description |
|---|---|
| A. | The Telephone Company will issue only one identifying multiplexing node and POT bay common language location identifier code and provide it to the COR. |
| B. | The Telephone Company will not split bill any of the rate elements associated with the collocation cage between the COR and its tenant (e.g., recurring square foot charges, power, cable racking). |

# 7. Shared Cages
## 7.3 Responsibility of the Host & Guest

| 7.3.1 | Description |
|---|---|
| A. | The guest must comply with the same Telephone Company rules and regulations and municipal/zoning regulations as are applicable to the COR. |
| B. | The COR assumes the responsibility for the guest's violation of all tariff regulations and other requirements related to a shared physical collocation arrangement and will be liable for any damage or injury to the Telephone Company caused by the conduct of the guest, to the same extent as the COR would be liable if it had engaged in such conduct itself. The COR will also indemnify the Telephone Company against any third party claims resulting from the guest's conduct, to the same extent as it would be responsible for such indemnification if it had engaged in such conduct itself. |
| C. | Connecting facility assignment (CFA) functions are the responsibility of the COR. |
| D. | The COR will remain responsible for all costs associated with the cage (e.g., cage construction, POT bay installation). |

# 8. Reserved for Future Use

# 9. Cageless Collocation Open Environment (CCOE)

## 9.1 General

Unless otherwise specified herein, general regulations contained in Part A, Sections 1 through 4 and Part E, Sections 1 and 2 apply in addition to the regulations contained in this Section. Rates and charges for service explained herein are contained in Part M, Section 5.9.

| 9.1.1 | Description | |
|---|---|---|
| A. | CCOE is a form of physical collocation in which CLECs can place their equipment in Telephone Company central office space. CCOE is available on a first come, first served basis in all central offices where interconnection or access to unbundled network elements is requested by the CLEC. | |
| 1. | The CLEC must install a minimum of one shelf of working equipment equipped with plug-ins when installing a CCOE equipment bay. Equipment bays must be fully equipped with common plug-ins prior to adding subsequent equipment bays. | |
| B. | Space for additional bays for future use may be reserved, if available, until such time as the Telephone Company requires the reserved bay to meet another CLEC's request. The Telephone Company will make reasonable efforts to assign reserved bay space so that they are located next to the CLEC's existing equipment bay, however, the Telephone Company makes no guarantee to that effect. | |
| C. | The Telephone Company will assign collocation space in accordance with the provisions in Part E, Section 2. CCOE is not available where the only unoccupied space in a central office has been reserved by the Telephone Company for its own use or where the placement of CCOE equipment will put the Telephone Company network at risk. | (C) (C) |
| D. | CCOE allows a CLEC, using Telephone Company approved vendors, to install equipment in single bay increments. CLEC equipment will not share the same equipment bays with Telephone Company equipment. | (C) |
| 1. | The CLEC shall not store any ancillary equipment within the CCOE area that is not permanently mounted within the bay. | |
| E. | The CLEC may provide its own transport or purchase other transport from a third party for the input side of the arrangement. | |

# 9. Cageless Collocation Open Environment (CCOE)
## 9.2 Responsibility of the Telephone Company

| 9.2.1 | Accommodations |
|---|---|
| A. | The Telephone Company will work cooperatively with the CLEC to develop an equipment layout that complies with the equipment specification and to minimize space requirements. The Telephone Company reserves the right to designate the specific location within the central office for installation. |
| B. | To the extent that a CLEC requires use of a Telephone Company local exchange line, the CLEC must order an administrative business line. CLECs may not use Telephone Company official lines. |
| C. | The Telephone Company will designate the floor space location specific for each bay of equipment installed. |
| D. | The Telephone Company will provide –48V DC power (Refer to Part E, Section 2.2.1B1), battery and generator backup power, heat, air conditioning and other environment support in connection with the CLEC's equipment in the same manner it provides such support items in connection with its own transmission equipment within that central office. |
| 1. | The Telephone Company will provide access to junction boxes so that CLECs may contract directly with a Telephone Company approved vendor for the installation of the AC convenience outlets, overhead lighting and equipment superstructure to comply with IP 72201 and match existing central office infrastructure. |

| 9.2.2 | Security |
|---|---|
| A. | The Telephone Company may use reasonable security measures to protect its equipment, including enclosing its equipment in its own cage or other separation, utilizing monitored card reader systems, digital security cameras, badges with computerized tracking systems, identification swipe cards, keyed access, and/or logs, as deemed appropriate by the Telephone Company. |
| B. | The Telephone Company will determine the appropriate level of security in each central office. |
| C. | Subject to the provisions of Section 9.3.3, the Telephone Company will provide the CLEC with non-employee identification badge applications. This badge will permit direct access to the location of the CLEC's CCOE arrangement in the central office. The Telephone Company will also issue access cards to each listed employee/vendor where access card systems are installed. |
| D. | The Telephone Company reserves the right to make changes to rules of conduct established by the Telephone Company for the central office and the Telephone Company's personnel and vendors in order to preserve the integrity and operation of the Telephone Company's network or facilities or to comply with applicable laws and regulations. The Telephone Company will provide the CLEC with written notice of such changes. |

# 9. Cageless Collocation Open Environment (CCOE)
## 9.3 Responsibility of the CLEC

| 9.3.1 Ordering Service | |
|---|---|
| A. | The CLEC must request CCOE through its Telephone Company point of contact. Completed applications for collocation must be sent directly to the Telephone Company collocation project manager at the following address. |
| 1. | Collocation Project Manager–Bell Atlantic, 125 High Street, Room 1134, Boston, MA 02110. |

| 9.3.2 Central Office Access | |
|---|---|
| A. | The CLEC will be required to sign a confidentiality agreement prior to being permitted to enter the Telephone Company central office. |
| 1. | The CLEC will supply the Telephone Company with a list of its employees or approved vendors who require access. The list will include social security numbers of all such individuals or an alternative form of identification as specified by the Telephone Company. All individuals must be US citizens where required by law or regulation. |

| 9.3.3 Safety and Technical Standards | |
|---|---|
| A. | The CLEC equipment bay should conform with the Telephone Company's technical engineering specifications and NEBS requirements for a standard seven foot high equipment bay, not to exceed twenty-two inches in depth for the total footprint. Non-standard equipment configurations will be evaluated on a case by case basis. |
| B. | All CLEC equipment to be installed in the Telephone Company central offices must be either on the Telephone Company's list of compliant products, or equipment that is demonstrated as complying with the technical specifications. Upon receipt of a CCOE request, the Telephone Company will make available at cost any Telephone Company technical specification documentation required by the CLEC to comply with this provision. |
| C. | The CLEC must perform all work using Telephone Company approved vendors. Such vendors must comply with the requirements specified in IP 72201, Network Equipment Installation Standards including providing the Telephone Company with documentation (e.g., drawings and record updates) per the Telephone Company standards prior to service activation. |
| D. | The CLEC is responsible to demonstrate that its equipment meets all Telephone Company installation standards prior to turn-up of equipment. |

| 9.3.4 Security | |
|---|---|
| A. | The CLEC agrees to abide by all Telephone Company security practices for CLEC employees/agents with access to the Telephone Company's central offices as described in Telephone Company security guidelines. |

# 9. Cageless Collocation Open Environment (CCOE)
## 9.3 Responsibility of the CLEC

| 9.3.4 | Security |
|---|---|
| B. | In order for the Telephone Company to provide the CLEC with the proper identification badge, the CLEC will provide the Telephone Company with completed applications and two passport-sized photos for each CLEC employee who requires access. The CLEC employee/vendor(s) must prominently display valid identification badges at all times while on Telephone Company property. |
| 1. | All badges/access cards must be returned upon termination of this CCOE arrangement. The CLEC is responsible for notifying the Telephone Company of any lost or stolen identification badges or access cards, and is responsible for returning the badges/access cards issued to individuals that are no longer employed or engaged by the CLEC. |
| C. | The CLEC agrees that its employees/vendors with access to Telephone Company central offices shall at all times adhere to the rules of conduct established by the Telephone Company for the central office and the Telephone Company's personnel and vendors. |

| 9.3.5 | Placement and Removal of Facilities and Equipment |
|---|---|
| A. | The CLEC is responsible for providing and installing its own equipment and equipment bay(s) in the CCOE area. |
| B. | Methods of procedures detailing the installation work to be performed by the CLEC shall be completed by the CLEC on all CCOE arrangement equipment installations. The methods shall be agreed upon and signed by a Telephone Company representative and a CLEC representative prior to the beginning of any installation effort within the central office CCOE space. The CLEC shall prominently display the signed methods at the equipment bay while performing any installation functions. |
| C. | The CLEC is responsible for the identification of all equipment in its CCOE arrangement. All equipment must be clearly identified with the CLEC's name, emergency reach number, CLLI code and relay rack number. The CLLI code and relay rack number will be assigned by the Telephone Company. |

| 9.3.6 | Point of Termination |
|---|---|
| A. | The POT is the connection point between the collocated equipment and the Telephone Company network. The CLEC must select from one of the following options. |
| 1. | The Telephone Company will provided a shared point of termination bay for CCOE in a common area. All CLECs purchasing CCOE will have access to the SPOT bay. |
| 2. | The CLEC may provide their own point of POT within the CLEC-provided equipment bay as designated by the Telephone Company. |

# 9. Cageless Collocation Open Environment (CCOE)
## 9.3 Responsibility of the CLEC

| 9.3.7 | Access to Equipment |
|---|---|
| A. | CLEC designated personnel will be permitted to access their equipment for provisioning, maintenance and repair. |
| 1. | The CLEC must adhere to all entrance and exit requirements as specified by the Telephone Company for each CCOE arrangement. CLEC access is restricted to direct access to the arrangement including central office space housing the CCOE equipment. |

# 9. Cageless Collocation Open Environment (CCOE)
## 9.4 Application of Rates and Charges

| 9.4.1 General | |
|---|---|
| A. | Rates and charges as specified for collocation arrangements described in Sections 2 and 3 apply in addition to the rates and charges specified herein. |

| 9.4.2 Application Fees | |
|---|---|
| A. | The application fees set forth in Part E, Section 3.4.2 apply as appropriate. |

| 9.4.3 Site Survey/Report Fee | |
|---|---|
| A. | The NRC described in Part E, Section 2.6.10 applies as appropriate. |

| 9.4.4 Engineering and Implementation | |
|---|---|
| A. | The engineering and implementation NRCs set forth in Part E, Section 3.4.3 apply as appropriate. |

| 9.4.5 SPOT Bay Frame | |
|---|---|
| A. | The implementation charge (NRC) for the SPOT Bay Frame described in Part E, Section 6.4.1 applies as appropriate. A monthly SPOT bay frame rate applies for equipment terminations to be mounted (refer to Part E, Section 6.4.2). |

| 9.4.6 SAC SPOT Bay Termination | |
|---|---|
| A. | The service access charge for the SAC SPOT bay termination described in Part E, Section 2.6.4 applies as appropriate. |

| 9.4.7 SAC Cable and Frame Termination | |
|---|---|
| A. | The service access charge for the SAC cable and frame termination described in Part E, Section 2.6.4 applies as appropriate. |

| 9.4.8 Security Access Cards | |
|---|---|
| A. | The NRC described in Part E, Section 2.6.11 applies as appropriate. |

| 9.4.9 Space and Conditioning | |
|---|---|
| A. | **Building**—A monthly rate (which is associated with the footprint of the equipment bay) applies per equipment bay. |

# 9. Cageless Collocation Open Environment (CCOE)
## 9.4 Application of Rates and Charges

| 9.4.10 | Occupancy |
|---|---|
| A. | DC Power—The monthly 60 amp or less DC power rate applicable for physical collocation applies. |

| 9.4.11 | Cable Rack |
|---|---|
| A. | Rates and charges are determined on an individual case basis. |

| 9.4.12 | Conduit |
|---|---|
| A. | Space and Conduit—A monthly rate applies per foot, per duct and per half duct as described in Part E, Section 2.6.7. |

| 9.4.13 | Cageless Security |
|---|---|
| A. | Rates and charges for cageless security are assessed per equipment bay. |

| 9.4.14 | Other Charges |
|---|---|
| A. | Escort Service—An NRC applies as described in Part E, Section 2.6.6. |
| B. | Miscellaneous Collocation Power Service Charge—The miscellaneous collocation power service charge (NRC) specified for physical collocation applies. |

# 10. Adjacent Structures
## 10.1 General

| 10.1.1 | Description |
|---|---|
| A. | In the event that the Telephone Company has no space available for physical collocation, the CLEC will be permitted to construct or otherwise procure controlled environment vaults (CEVs) or similar structures (adjacent structures) where technically feasible using Telephone Company approved vendors. |

# 10. Adjacent Structures
## 10.2 Responsibility of the Telephone Company

| 10.2.1 Accommodations | |
|---|---|
| A. | The Telephone Company will terminate its facilities on a CLEC provided point of termination located within the adjacent structure at a location designated by the CLEC. The CLEC will provide the Telephone Company with 24 x 7 direct access to the point of termination. The Telephone Company reserves the right to inspect the CLEC's structure, and any non conformances must be remedied in accordance with regulations for collocation specified in this tariff. |
| B. | The Telephone Company will make available, power and physical collocation support services to the CLEC in the same non-discriminatory manner as it provides to itself for the Telephone Company's own CEVs. |

# 10. Adjacent Structures
## 10.3 Responsibility of the CLEC

| 10.3.1 Accommodations | |
|---|---|
| A. | If the CLEC vacates the adjacent structure, the CLEC is responsible for restoring the land to the original condition. |

| 10.3.2 Federal, State and Local Provisions | |
|---|---|
| A. | The CLEC is responsible for complying with all zoning requirements, any federal, state or local regulations, ordinances and laws, and obtaining all associated permits. The Telephone Company may, where required, participate in the zoning approval and permit acquisitions. The CLEC may not take any action in establishing an adjacent structure that will force the Telephone Company to violate any zoning requirements or any federal, state or local regulations, ordinances or laws. |

| 10.3.3 Rights of Way | |
|---|---|
| A. | The CLEC is responsible for obtaining the right of way from the Telephone Company under the appropriate right of way provisions for the adjacent structure to the Telephone Company serving central office manhole. Granting such right of way will not be unreasonably withheld. |

| 10.3.4 Safety and Technical Standards | |
|---|---|
| A. | Any construction by the CLEC on Telephone Company premises must comply with Telephone Company technical specifications as they relate to environmental safety and grounding requirements as set forth in Telephone Company technical specifications and Bellcore documentation. Any protection as it relates to fire, safety, electrical, bonding, grounding and risk hazard is the responsibility of the CLEC. |
| B. | In the event the distance limitations are exceeded for digital services, any required signal regeneration will be the responsibility of the CLEC. |

| 10.3.5 Liability | |
|---|---|
| A. | The CLEC is responsible for any fines, penalties and expenses for zoning, environmental, safety, sanitation, property infringement, noise, quality of life or property violations or law suits associated with the structure and its associated power and any additional tax assessment levied on the Telephone Company as a result of the adjacent structure. |

# 10. Adjacent Structures
## 10.4 Application of Rates and Charges

| 10.4.1 | Description |
|---|---|
| A. | All costs incurred by the Telephone Company associated with the CLEC's deployment of an adjacent structure will be recovered by the Telephone Company on an individual case basis. |
| 1. | The CLEC is responsible for all expenses incurred by the Telephone Company at the time they occur or for any ongoing expenses that result relating to zoning approval and permit acquisitions. |
| B. | Additional nonrecurring and recurring costs which may apply will be determined on an individual case basis. |

# 11. Collocation at Remote Terminal Equipment Enclosures (CRTEE)

Unless otherwise specified herein, general regulations contained in Part A, Sections 1 through 4 and Part E, Sections 1 through 3 and 9 apply in addition to the regulations contained in this Section. Rates and charges for service explained herein are contained in Part M, Section 5.11.

## 11.1 General

| 11.1.1 Description | |
|---|---|
| A. | CRTEE provides an arrangement in which CLEC equipment can be placed in Telephone Company remote terminal equipment enclosures (RTEEs). |
| 1. | CRTEE is available with physical and virtual collocation. |
| 2. | RTEEs include controlled environment vaults, huts, cabinets and remote terminals in buildings not owned by the Telephone Company. |
| 3. | CRTEE is provided on a first-come, first-served basis subject to availability of space and right of way and building owner approval, as applicable. |
| B. | The Telephone Company will not renegotiate leases or easements or create new RTEE space in order to meet CLEC demand for CRTEE. |
| C. | Subject to the availability of space and conduit, the CLEC will arrange for the Telephone Company to perform all work activities inside the RTEE except as described in 11.1.4D. |
| D. | **Demarcation Point**—The following demarcation points apply to CRTEE arrangements. |
| 1. | **DS1, DS3 and Optical Services**—For a physical CRTEE arrangement, the demarcation point will be at a cross connect panel mounted in the CLEC's equipment bay or relay rack. |
| 2. | **Twisted Pair Connections**—Where a cross connect field is not located in the RTEE, the CLEC must provide a telecommunications carrier outside plant interconnection cabinet (TOPIC) on a CLEC-secured easement at or near the Telephone Company feeder distribution interface (FDI). The demarcation point will be in the TOPIC. The CLEC will provide the cable between the collocated equipment in the CRTEE and the TOPIC. The CLEC installation must comply with industry standards regarding fusing and grounding. |

| 11.1.2 Ordering Service | |
|---|---|
| A. | **Remote Terminal Serving Address Inquiry**—Upon request of the CLEC, the Telephone Company will make available to the CLEC the identify of the FDIs that subtend the RTEE and a range of customer addresses served by those FDIs. |

# 11. Collocation at Remote Terminal Equipment Enclosures (CRTEE)

## 11.1 General

| 11.1.2 Ordering Service | |
|---|---|
| B. | **Preliminary Engineering Records Review**—Upon request of the CLEC, the Telephone Company will conduct a search of its records and identify the following information about a RTEE location. |
| 1. | Type of enclosure |
| 2. | Whether site is on private or public property |
| a. | If the site is on private property, the Telephone Company will inform the CLEC whether the Telephone Company's rights under its easement for that location can be assigned to the CLEC for the purposes of the application request. |
| C. | Site Survey for Space Availability Inquiry—Upon request of the CLEC, the Telephone Company will conduct a survey of the remote terminal to determine if there is adequate space to accommodate the collocation application. |
| D. | The CLEC must request CRTEE through its Telephone Company point of contact. Completed applications for CRTEE arrangements must be sent directly to the Telephone Company at the following address. |
| 1. | Collocation Application Manager-Verizon, 125 High Street, Boston, MA 02110 or Email to Collocation.applications@verizon.com. |
| E. | Where the Remote Terminal Serving Address Inquiry, Preliminary Engineering Records Review or Site Survey for Space Availability Inquiry has been specified on the application, the CLEC will be notified of the results of these inquiries before the Telephone Company processes the rest of the application. The CLEC will be given the option of cancelling the application based on the results of these inquiries. |

| 11.1.3 Responsibility of the Telephone Company | |
|---|---|
| A. | The Telephone Company will provide any cabling between the CLEC-provided demarcation point and any Telephone Company owned cross-connect points. |
| B. | Escorts will be provided by the Telephone Company where the CLEC requires access to its collocated equipment located at the Telephone Company's CRTEE. |

| 11.1.4 Responsibility of the CLEC | |
|---|---|
| A. | The CLEC is responsible for obtaining any rights of way necessary to implement the provisions of this tariff. |
| B. | The CLEC is responsible for the cost of any conditioning of the RTEE such as building new conduit, additional power and HVAC. The conditioning must be allowed under an existing easement or right of way. The cost of such conditioning will be recovered in the Site Preparation Fee. |

# 11. Collocation at Remote Terminal Equipment Enclosures (CRTEE)

## 11.1 General

| 11.1.4 | Responsibility of the CLEC |
|---|---|
| C. | CLEC-provided equipment must conform with the Telephone Company's technical engineering specifications and NEBS requirements. |
| D. | The CLEC is responsible for maintenance of its equipment located within the RTEE. The CLEC will be escorted by qualified Telephone Company employees on these occasions. |

| 11.1.5 | Security |
|---|---|
| A. | Escorts will be provided by the Telephone Compay where the CLEC requires access to its collocated equipment located in the Telephone Company's RTEE. |

# 11. Collocation at Remote Terminal Equipment Enclosures (CRTEE)

## 11.2 Application of Rates and Charges

| 11.2.1 Nonrecurring Charges | |
|---|---|
| A. | The following NRCs will apply. |
| 1. | **Remote Terminal Serving Address Inquiry**—Applies per request. |
| 2. | **Preliminary Engineering Records Review**—Applies per request. |
| 3. | **Site Survey for Space Availability Inquiry**—Applies per request. |
| 4. | **Application Fee**—Applies per CRTEE arrangement request. |
| 5. | **Engineering and Implementation Fee**—Applies per CRTEE arrangement request. |
| 6. | **Site Preparation Fee**—Applies per CRTEE arrangement request, as required. |

| 11.2.2 Monthly Rates | |
|---|---|
| A. | **Equipment Support**—The rate applies per half rack or portion thereof (associated with the footprint of the equipment bay). Refer to Part M, Section 5.3.9. |
| B. | **DC Power**—The rate applies per load amp based on the total number of load amps ordered on each feed, when CLEC equipment is located within the RTEE (less than or equal to 60 amps). Refer to Part M, Section 5.3.8. |
| C. | **Conduit and Space**—Applies per foot, per cable, for cabling and cable support between the demarcation point and any Telephone Company-owned cross-connect points. Refer to Part M, Section 5.2.7. |

| 11.2.3 Other | |
|---|---|
| A. | For physical CRTEE arrangements, the SAC Cable and Frame Termination will apply (refer to Part E, Section 2.6.4). |
| B. | For virtual CRTEE arrangements, the IAC rates and charges will apply (refer to Part E, Section 3.5.5). |
| C. | **Escorting**—Refer to Part E, Section 2.6.6 and Section 3.5.14. |
| D. | **Miscellaneous Collocation Power Service Charge**—The miscellaneous collocation power service charge (NRC) specified for physical collocation applies. |

# 1. Reserved for Future Use

# 1. Reserved for Future Use

# 1. Reserved for Future Use

# 1. Reserved for Future Use

# 1. Reserved for Future Use

# 1. Reserved for Future Use

# 1. Reserved for Future Use

# 1. Rates and Charges
## 1.1 Tariff Information and General Regulations

There are no rates and charges contained in this section.

# 1. Rates and Charges
## 1.2 Bona Fide Request Process (BFR)

There are no rates and charges contained in this section.

# 1. Rates and Charges
## 1.1 Tariff Information and General Regulations

There are no rates and charges contained in this section.

# 1. Rates and Charges
## 1.2 Bona Fide Request Process (BFR)

There are no rates and charges contained in this section.

# 1. Rates and Charges
## 1.3 Ordering of Service

### 1.3.1 NRCs

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Service Order | Dedicated IOF Transport - Per order | 14.47 | NR93M |
| | | Dedicated IOF Transport - Expedited - Per order | 21.42 | NR9U6 |
| | | Dark Fiber IOF - Per order | 37.59 | |
| | | Dark Fiber IOF - Expedited - Per order | 55.59 | |
| | | Dark Fiber Loop - Per order | 37.59 | |
| | | Dark Fiber Loop - Expedited - Per order | 55.59 | |
| | | Local Loops - 2W or 4W Links - Analog - 2-9 Links - Per order | 6.22 | |
| | | Local Loops - 2W or 4W Links- Analog - 2-9 Links - Expedited - Per order | 9.21 | EODCD |
| | | Local Loops - 2W or 4W Links - Analog - 10+ Links - Per order | 8.69 | |
| | | Local Loops - 2W or 4W Links - Analog - 10+ Links - Expedited - Per order | 12.85 | EODCE |
| | | Local Loops - 2W Links - Digital - 1 Link - Per order | 3.72 | |
| | | Local Loops - 2W Links - Digital - 1 Link - Expedited - Per order | 5.52 | EODCL |
| | | Local Loops - 2W Links - Digital - 2-9 Links - Per order | 9.95 | |
| | | Local Loops - 2W Links - Digital - 2-9 Links - Expedited - Per order | 14.72 | EODCM |
| | | Local Loops - 2W Links - Digital - 10+ Links - Per order | 12.40 | |
| | | Local Loops - 2W Links - Digital - 10+ Links - Expedited - Per order | 18.36 | EODCN |
| | | Local Loops - 56 KD Links - Per order | 39.45 | |
| | | Local Loops - 56 KD Links - Expedited - Per order | 58.40 | |

# 1. Rates and Charges
## 1.3 Ordering of Service

### 1.3.1 NRCs

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Service Order | Local Loops - 1.544 High Capacity or 4W Digital (HDSL) Link - Per order | 39.44 | NR93M |
| | | Local Loops - 1.544 High Capacity or 4W Digital (HDSL)Link - Expedited - Per order | 58.40 | EODCB |
| | | Local Loops - 44.736 High Capacity Link - Per order | 14.47 | |
| | | Local Loops - 44.736 High Capacity Link - Expedited - Per order | 21.41 | |
| | | Local Switching - Line Port - Integrated Digital Loop Carrier Port - Per port | 13.14 | UYG |
| | | Local Switching - Line Port - Integrated Digital Loop Carrier Port - Expedited - Per order | 19.47 | |
| | | UNE–P Combination - 2W Links - Analog - 2-9 Links - Per migration order | 8.68 | |
| | | UNE–P Combination - 2W Links- Analog - 2-9 Links - Expedited - Per migration order | 12.85 | |
| | | UNE–P Combination - 2W Links - Analog - 10+ Links - Per new order | 8.68 | |
| | | UNE–P Combination - 2W Links - Analog - 10+ Links - Expedited - Per new order | 12.85 | |
| | | UNE–P Combination - 2W Links - Analog - 10+ Links - Per migration order | 8.68 | |
| | | UNE–P Combination - 2W Links - Analog - 10+ Links - Expedited - Per migration order | 12.85 | |
| | | UNE–P Combination - 2W Links - Digital - 1 Link - Per new order | 13.15 | |

# 1. Rates and Charges
## 1.3 Ordering of Service

### 1.3.1 NRCs

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Service Order | UNE-P Combination - 2W Links - Digital - 1 Link - Expedited - Per new order | 19.47 | |
| | | UNE-P Combination - 2W Links - Digital - 2-9 Links - Per new order | 13.15 | |
| | | UNE-P Combination - 2W Links - Digital - 2-9 Links - Expedited - Per new order | 19.47 | |
| | | UNE-P Combination - 2W Links - Digital - 2-9 Links - Per migration order | 8.68 | |
| | | UNE-P Combination - 2W Links - Digital - 2-9 Links - Expedited - Per migration order | 12.85 | |
| | | UNE-P Combination - 2W Links - Digital - 10+ Links - Per new order | 21.82 | |
| | | UNE-P Comb. - 2W Links - Digital - 10+ Links - Expedited - Per new order | 32.31 | |
| | | UNE-P Comb. - 2W Links - Digital - 10+ Links - Per migration order | 8.68 | |
| | | UNE-P Comb. - 2W Links - Digital - 10+ Links - Expedited - Per migration order | 12.85 | |
| | | UNE-P Comb. - 1.544 Mbps High Capacity Links - Per migration or new order | 39.45 | |
| | | UNE-P Comb. - 1.544 Mbps High Capacity Links - Expedited - Per migration or new order | 58.40 | |
| | | Dark Fiber IOF - Per order | 37.59 | |
| | | Dark Fiber IOF - Expedited - Per order | 55.59 | |
| | | Dark Fiber Loop - Per order | 37.59 | |
| | | Dark Fiber Loop - Expedited - Per order | 55.59 | |

# 1. Rates and Charges
## 1.3 Ordering of Service

### 1.3.1 NRCs

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Service Order | USLA - 2W - Per order | 13.15 | |
| | | USLA - 2W - Expedited - Per order | 19.47 | |
| | | USLA - 4W - Per order | 39.45 | |
| | | USLA - 4W - Expedited - Per order | 58.40 | |
| | | Line Sharing - 1 Link - Per order | 13.15 | |
| | | Line Sharing - 2–9 Links - Per order | 13.15 | |
| | | Line Sharing - 10+ Links - Per order | 21.82 | |
| | | Line Sharing - 1 Link - Expedited - Per order | 19.47 | |
| | | Line Sharing - 2–9 Links - Expedited - Per order | 19.47 | |
| | | Line Sharing - 10+ Links - Expedited - Per order | 32.31 | |
| | Manual Intervention Surcharge | Dedicated Tandem Trunk Ports - Per port | 13.15 | |
| | | Dedicated Tandem Trunk Ports - Expedited - Per port | 19.47 | |
| | | Local Loops - Analog and Digital - 1 link - Per order | 21.36 | NR9U5 |
| | | Local Loops - Analog and Digital - 1 link - Per link | 7.15 | NR9U5 |
| | | Local Loops - Analog and Digital - 1 link - Expedited - Per order | 31.64 | EODCF |
| | | Local Loops - Analog and Digital - 1 link - Expedited - Per link | 7.15 | EODCF |
| | | Local Loops - Analog and Digital - 2-9 links - Per order | 41.83 | NR930 |
| | | Local Loops - Analog and Digital - 2-9 links - Per link | 7.15 | NR930 |
| | | Local Loops - Analog and Digital - 2-9 links - Expedited - Per order | 61.92 | EODCG |

# 1. Rates and Charges
## 1.3 Ordering of Service

### 1.3.1 NRCs

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Manual Intervention Surcharge | Local Loops - Analog and Digital - 2-9 links - Expedited - Per link | 7.15 | EODCG |
| | | Local Loops - Analog and Digital - 10+ links - Per order | 190.91 | NR93P |
| | | Local Loops - Analog and Digital - 10+ links - Per link | 7.15 | NR93P |
| | | Local Loops - Analog and Digital - 10+ links - Expedited - Per order | 282.65 | EODCH |
| | | Local Loops - Analog and Digital - 10+ links - Expedited - Per link | 7.15 | EODCH |
| | | Local Loops - 56 KD - Per order | 4.21 | |
| | | Local Loops - 56 KD - Per link | 7.15 | |
| | | Local Loops - 56 KD - Expedited - Per order | 6.23 | |
| | | Local Loops - 56 KD - Expedited - Per link | 7.15 | |
| | | Local Loops - 1.544 High Capacity and 4W Digital (HDSL) Link - Per order | 4.21 | NE9U5 |
| | | Local Loops - 1.544 High Capacity and 4W Digital (HDSL) Link - Expedited - Per order | 6.23 | EODCF |
| | | Local Switching - Line Port/Trunk Port - Per order | 13.14 | NR9U5 |
| | | Local Switching - Trunk Ports - Expedited - Per order | 19.47 | NR94C |
| | | Network Interface Device - 2W or 4W - Per Order | 12.88 | |
| | | Network Interface Device - 2W or 4W- Expedited - Per order | 19.07 | |
| | | UNE–P Combination - 2W Links - Analog - 1 Link - Per new order | 12.88 | |
| | | UNE–P Combination - 2W Links - Analog - 1 Link - Expedited - Per new order | 19.07 | |

# 1. Rates and Charges
## 1.3 Ordering of Service

| 1.3.1 NRCs | | | | |
|---|---|---|---|---|
| ID | Service Category | Rate Element | Rate | USOC |
| | Manual Intervention Surcharge | UNE–P Combination - 2W Links - Analog - 1 Link - Per migration order | 24.72 | |

# 1. Rates and Charges
## 1.3 Ordering of Service

### 1.3.1 NRCs

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Manual Intervention Surcharge | UNE-P Combination - 2W Links-Analog - 1 Link - Expedited - Per migration order | 36.60 | |
| | | UNE-P Combination - 2W Links - Analog - 2-9 Links - Per new order | 37.86 | |
| | | UNE-P Combination - 2W Links - Analog - 2-9 Links - Expedited - Per new order | 56.06 | |
| | | UNE-P Combination - 2W Links - Analog - 2-9 Links - Per migration order | 43.39 | |
| | | UNE-P Combination - 2W Links-Analog - 2-9 Links - Expedited - Per migration order | 64.24 | |
| | | UNE-P Combination - 2W Links - Analog - 10+ Links - Per new order | 208.25 | |
| | | UNE-P Combination - 2W Links - Analog - 10+ Links - Expedited - Per new order | 308.32 | |
| | | UNE-P Combination - 2W Links - Analog - 10+ Links - Per migration order | 184.06 | |
| | | UNE-P Combination - 2W Links - Analog - 10+ Links - Expedited - Per migration order | 272.51 | |
| | | UNE-P Combination - 2W Links - Digital - 1 Link - Per new order | 12.88 | |
| | | UNE-P Combination - 2W Links - Digital - 1 Link - Expedited - Per new order | 19.07 | |
| | | UNE-P Combination - 2W Links - Digital - 1 Link - Per migration order | 24.72 | |
| | | UNE-P Combination - 2W Links - Digital - 1 Link - Expedited - Per migration order | 36.60 | |

# 1. Rates and Charges
## 1.3 Ordering of Service

### 1.3.1 NRCs

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Manual Intervention Surcharge | UNE-P Combination - 2W Links - Digital - 2-9 Links - Per new order | 37.86 | |
| | | UNE-P Combination - 2W Links - Digital - 2-9 Links - Expedited - Per new order | 56.06 | |
| | | UNE-P Combination - 2W Links - Digital - 2-9 Links - Per migration order | 43.39 | |
| | | UNE-P Combination - 2W Links - Digital - 2-9 Links - Expedited - Per migration order | 64.24 | |
| | | UNE-P Combination - 2W Links - Digital - 10+ Links - Per new order | 208.25 | |
| | | UNE-P Combination - 2W Links - Digital - 10+ Links - Expedited - Per new order | 308.32 | |
| | | UNE-P Combination - 2W Links - Digital - 10+ Links - Per migration order | 184.06 | |
| | | UNE-P Combination - 2W Links - Digital - 10+ Links - Expedited - Per migration order | 272.51 | |
| | | UNE-P Combination - 1.544 Mbps High Capacity Links - Per migration or new order | 4.21 | |
| | | UNE-P Combination - 1.544 Mbps High Capacity Links - Expedited - Per migration or new order | 6.23 | |
| | | USLA - 2W - Per order | 12.88 | |
| | | USLA - 2W - Expedited - Per order | 19.07 | |
| | | USLA - 4W - Per order | 4.53 | |
| | | USLA - 4W - Expedited - Per order | 6.70 | |
| | | Line Sharing - 1 Link - Per order | 12.88 | |
| | | Line Sharing - 2-9 Links - Per order | 37.86 | |

# 1. Rates and Charges
## 1.3 Ordering of Service

### 1.3.1 NRCs

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Manual Intervention Surcharge | Line Sharing - 10+ Links - Per order | 208.25 | |
| | | Line Sharing - 1 Link - Expedited - Per order | 19.07 | |
| | | Line Sharing - 2–9 Links - Expedited - Per order | 56.06 | |
| | | Line Sharing - 10+ Links - Expedited - Per order | 308.32 | |
| | Service Connection - Central Office Wiring | Dedicated IOF - DS1 - Per facility | 97.47 | NR94L |
| | | Dedicated IOF - DS1 - Expedited - Per facility | 129.28 | NR94T |
| | | Dedicated IOF - DS3, STS-1 or OC3 - Per facility | 215.56 | NR94L |
| | | Dedicated IOF - DS3, STS-1 or OC3 - Expedited - Per facility | 285.90 | NR94T |
| | | Dedicated IOF - OC12 - Per facility | 270.37 | NR94L |
| | | Dedicated IOF- OC12 - Expedited - Per facility | 358.60 | NR94T |
| | | Dedicated Tandem Trunk Ports - Per port | 10.74 | |
| | | Dedicated Tandem Trunk Ports - Expedited - Per port | 14.24 | |
| | | Local Loops - Analog - Per link | 13.89 | |
| | | Local Loops - Digital - Per link | 13.89 | NR93Q |
| | | Local Loops - 56 KD - Per link | 28.54 | |
| | | Local Loops - 1.544 High Capacity and 4W Digital (HDSL) Link - Per link | 28.54 | NR93Q |
| | | Local Loops - 44.736 High Capacity Link - Per link | 215.56 | |
| | | Local Loops - 44.736 High Capacity Link - Expedited - Per link | 285.90 | |
| | | Local Switching - Line Port - Analog - Per port | 7.07 | SEPU4 |

# 1. Rates and Charges
## 1.3 Ordering of Service

### 1.3.1 NRCs

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Service Connection - Central Office Wiring | Local Switching - Line Port - Basic Rate ISDN - Per port | 7.07 | SEPU4 |
| | | Local Switching - Line Port - Primary Rate ISDN - Per port | 10.74 | SEPUR |
| | | Local Switching - Line Port - Electronic Key Telephone Port - Per port | 7.07 | SEPU4 |
| | | Local Switching - Line Port - Public Access Line Port - Per port | 7.07 | SEPU4 |
| | | Local Switching - Line Port - Coin Telephone Port - Per port | 7.07 | SEPU9 |
| | | Local Switching - Line Port - DS1 DID/DOD/PBX - Per port | 10.74 | SEPUR |
| | | Local Switching - Line Port - SMDI II Port - Per port | 73.46 | |
| | | Local Switching - Line Port - Integrated Digital Loop Carrier Port - Per port | 10.74 | |
| | | Local Switching - Trunk Ports - Per port | 10.74 | NR94M |
| | | Local Switching - Trunk Ports - Expedited - Per port | 14.24 | NR94Q |
| | | UNE-P Combination - Analog - New order - Per port | 7.07 | |
| | | UNE-P Combination - Analog - Expedited - New order - Per port | 7.07 | |
| | | UNE-P Combination - 2W digital - New order - Per port | 7.07 | |
| | | UNE-P Combination - 2W digital - Expedited - New order - Per port | 7.07 | |
| | | UNE-P Combination - Local Switching Line Port Basic Rate ISDN - New order - Per port | 7.07 | |

# 1. Rates and Charges
## 1.3 Ordering of Service

### 1.3.1 NRCs

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Service Connection - Central Office Wiring | UNE-P Combination - Local Switching Line Port Basic Rate ISDN - Expedited - New order - Per port | 7.07 | |
| | | UNE-P Combination - Dedicated DS1 Trunk Port - New order - Per port | 10.74 | |
| | | UNE-P Combination - Dedicated DS1 Trunk Port - Expedited - New order - Per port | 14.24 | |
| | | UNE-P Combination - Primary Rate ISDN - Line Port - New order - Per port | 10.74 | |
| | | UNE-P Combination - Primary Rate ISDN - Line Port - Expedited - New order - Per port | 14.24 | |
| | | Dark Fiber IOF - Per pair | 28.63 | |
| | | Dark Fiber IOF - Expedited - Per pair | 38.04 | |
| | | Dark Fiber Loop - Per pair | 25.88 | |
| | | Dark Fiber Loop - Expedited - Per pair | 34.40 | |
| | | Line Sharing - Per link | 11.87 | |
| | | Line Sharing - Each additional link | 11.87 | |
| | | Line Sharing - Pair Swap | TBD | |
| | Service Connection - Other | Dedicated IOF - DS1 - Per facility | 124.07 | NR94G |
| | | Dedicated IOF - DS1 - Expedited - Per facility | 135.86 | NR94P |
| | | Dedicated IOF - DS3, STS-1 or OC3 - Per facility | 124.07 | NR94G |
| | | Dedicated IOF - DS3, STS-1 or OC3 - Expedited - Per facility | 135.86 | NR94P |
| | | Dedicated IOF - OC12 - Per facility | 142.15 | NR94G |
| | | Dedicated IOF-OC12 - Expedited - Per facility | 156.06 | NR94P |

# 1. Rates and Charges
## 1.3 Ordering of Service

### 1.3.1 NRCs

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Service Connection - Other | Dedicated Tandem Trunk Ports - Per port | 105.40 | NR94E |
| | | Dedicated Tandem Trunk Ports - Expedited - Per port | 135.64 | NR94J |
| | | Local Loops - Analog or Digital - Per link | 27.57 | NR93R |
| | | Local Loops - 56 KD - Per link | 76.40 | |
| | | Local Loops - 1.544 High Capacity and 4W Digital (HDSL) Link - Per link | 76.40 | NR93R |
| | | Local Loops - 44.736 High Capacity Link - Per link | 124.07 | |
| | | Local Loops - 44.736 High Capacity Link - Expedited - per link | 135.86 | |
| | | Local Switching - Line Port - Analog - Per port | 8.92 | UYP |
| | | Local Switching - Line Port - Basic Rate ISDN - Per port | 8.92 | U1P |
| | | Local Switching - Line Port - Primary Rate ISDN - Per port | 89.17 | UJP |
| | | Local Switching - Line Port - Electronic Key Telephone Port - Per port | 8.92 | U4P |
| | | Local Switching - Line Port - Public Access Line Port - Per port | 8.92 | U7N |
| | | Local Switching - Line Port - Coin Telephone Port - Per port | 8.92 | UYC |
| | | Local Switching - Line Port - DS1 DID/DOD/PBX - Per port | 89.17 | U9P |
| | | Local Switching - Line Port - SMDI II Port - Per port | 124.07 | UQY |
| | | Local Switching - Line Port - Integrated Digital Loop Carrier Port - Per port | 89.17 | |
| | | Local Switching - Trunk Ports - Per port | 89.17 | |

# 1. Rates and Charges
## 1.3 Ordering of Service

### 1.3.1 NRCs

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Service Connection - Other | Local Switching - Trunk Ports - Expedited - Per port | 115.10 | |
| | | TOPS Trunk Port - Per Port | 69.51 | NR94F |
| | | TOPS Trunk Port - Expedited - Per port | 89.58 | NR94K |
| | | UNE-P Combination - Analog - New order - Per port | 1.69 | |
| | | UNE-P Combination - Analog - New order - Expedited - Per port | 1.69 | |
| | | UNE-P Combination - Analog - Migration order - Per port | 1.42 | |
| | | UNE-P Combination - Analog - Migration order - Expedited - Per port | 1.42 | |
| | | UNE-P Combination - Local Switching Line Port Basic Rate Interface ISDN - New order - Per port | 1.69 | |
| | | UNE-P Combination - Local Switching Line Port Basic Rate Interface ISDN - New order - Expedited - Per port | 1.69 | |
| | | UNE-P Combination - Local Switching Line Port Basic Rate Interface ISDN - Migration order - Per port | 1.42 | |
| | | UNE-P Combination - Local Switching Line Port Basic Rate Interface ISDN - Migration order - Expedited - Per port | 1.42 | |
| | | UNE-P Combination - Dedicated DS1 Trunk Port - New order - Per port | 89.17 | |
| | | UNE-P Combination - Dedicated DS1 Trunk Port - New order - Expedited - Per port | 115.10 | |
| | | UNE-P Combination - Dedicated DS1 Trunk Port - Migration order - Per port | 46.69 | |

# 1. Rates and Charges
## 1.3 Ordering of Service

### 1.3.1 NRCs

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Service Connection - Other | UNE-P Combination - Dedicated DS1 Trunk Port - Migration order - Expedited - Per port | 59.04 | |
| | | UNE-P Combination - Local Switching Line Primary Rate ISDN - New order - Per port | 89.17 | |
| | | UNE-P Combination - Local Switching Primary Rate ISDN - New order - Expedited - Per port | 115.10 | |
| | | UNE-P Combination - Local Switching Line Primary Rate ISDN - Migration order - Per port | 46.69 | |
| | | UNE-P Combination - Local Switching Primary Rate ISDN - Migration order - Expedited - Per port | 59.04 | |
| | | UNE-P Combination - Coin Telephone Port - New order - Per port | 1.69 | |
| | | UNE-P Combination - Coin Telephone Port - New order - Expedited - Per port | 1.69 | |
| | | UNE-P Combination - Coin Telephone Port - Migration order - Per port | 1.42 | |
| | | UNE-P Combination - Coin Telephone Port - Migration order - Expedited - Per port | 1.42 | |
| | | UNE-P Combination - PAL Port - New order - Per port | 1.69 | |
| | | UNE-P Combination - PAL Port - New order - Expedited - Per port | 1.69 | |
| | | UNE-P Combination - PAL Port - Migration order - Per port | 1.42 | |
| | | UNE-P Combination - PAL Port - Migration order - Expedited - Per port | 1.42 | |
| | | Dark Fiber IOF - Per pair | 125.07 | |
| | | Dark Fiber IOF - Expedited - Per pair | 160.88 | |

# 1. Rates and Charges
## 1.3 Ordering of Service

### 1.3.1 NRCs

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Service Connection - Other | Dark Fiber Loop - Per pair | 284.09 | |
| | | Dark Fiber Loop - Expedited - Per pair | 381.25 | |
| | | USLA - 2W - New order - First sub-loop | 1.10 | |
| | | USLA - 2W - New order - Each additional sub-loop | 1.10 | |
| | | USLA - 2W - Migration order - First sub-loop | 29.64 | |
| | | USLA - 2W - Migration order - Each additional sub-loop | 29.64 | |
| | | USLA - 4W - New order - First sub-loop | 1.18 | |
| | | USLA - 4W - New order - Each additional sub-loop | 1.18 | |
| | | USLA - 4W - Migration order - First sub-loop | 31.91 | |
| | | USLA - 4W - Migration order - Each additional sub-loop | 31.91 | |
| | | Line Sharing - Per link | 1.10 | |
| | | Line Sharing - Pair swap | TBD | |
| | Dispatch Out - Out of Hours | Per hour or fraction thereof (4 hour minimum charge) | 51.25 | |
| | Installation Dispatch Out | Local Loops - Analog or Digital - 1 Link - Per location dispatched - Per occurrence | 27.06 | |
| | | Local Loops - Analog or Digital - 2-9 Link - Per location dispatched - Per occurrence | 31.91 | |
| | | Local Loops - Analog or Digital - 10+ Link - Per location dispatched - Per occurrence | 36.00 | |
| | | Local Loops - 56 KD - Per location dispatched - Per occurrence | 36.25 | |

# 1. Rates and Charges
## 1.3 Ordering of Service

### 1.3.1 NRCs

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Installation Dispatch Out | Local Loops - 1.544 High Capacity Link - Per location dispatched - Per occurrence | 36.25 | |
| | | Local Loops - 44.736 High Capacity Link - Per location dispatched - Per occurrence | 36.25 | |
| | | Dark Fiber IOF - Per request | 82.78 | |
| | | Dark Fiber IOF - Expedited - Per request | 110.37 | |
| | | Dark Fiber Loop - Per request | 82.78 | |
| | | Dark Fiber Loop - Expedited - Per request | 110.37 | |
| | | Line Sharing - 1st Link - Per location dispatched - Per occurrence | 27.06 | |
| | | Line Sharing - 2-9 Link - Per location dispatched - Per occurrence | 31.91 | |
| | | Line Sharing - 10+ Link - Per location dispatched - Per occurrence | 36.00 | |
| | | Line Sharing - Pair Swap | TBD | |
| | | USLA - 2W - New order - First sub-loop | 69.30 | |
| | | USLA - 2W - New order - Each additional sub-loop | 27.11 | |
| | | USLA - 2W - New order - Expedited First sub-loop | 92.40 | |
| | | USLA - 2W - New order - Expedited Each additional sub - loop | 36.15 | |
| | | USLA - 2W - Migration order - First sub-loop | 78.93 | |
| | | USLA - 2W - Migration order - Each additional sub-loop | 36.57 | |
| | | USLA - 2W - Migration order - Expedited First sub-loop | 105.25 | |

# 1. Rates and Charges
## 1.3 Ordering of Service

### 1.3.1 NRCs

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Installation Dispatch Out | USLA - 2W - Migration order - Expedited Each additional sub-loop | 48.76 | |
| | | USLA - 4W - New order - First sub-loop | 87.12 | |
| | | USLA - 4W - New order - Each additional sub - loop | 80.98 | |
| | | USLA - 4W - New order - Expedited First sub-loop | 116.16 | |
| | | USLA - 4W - New order - Expedited Each additional sub - loop | 107.97 | |
| | | USLA - 4W - Migration order - First sub -loop | 88.35 | |
| | | USLA - 4W - Migration order - Each additional sub-loop | 43.97 | |
| | | USLA - 4W - Migration order - Expedited First sub-loop | 117.80 | |
| | | USLA - 4W - Migration order - Expedited Each additional sub-loop | 58.62 | |
| | Customer Not Ready - In | Per Occurrence | 25.88 | |
| | Customer Not Ready - Out | Per Occurrence | 25.88 | |
| | Customer Misdirect - In | Per Occurrence | 47.43 | |
| | | Expedited - Per occurrence | 63.56 | |
| | Customer Misdirect - Out | Per Occurrence | 71.26 | |
| | | Expedited - Per occurrence | 95.80 | |
| | Modification | NRC - Per change | 6.58 | NR9GU |
| | Service Date Change | NRC - Per change | 6.58 | REAK4 |
| | Design Change | NRC - Per change | 6.58 | REAK5 |
| | Record Change | NRC - Per change | 6.58 | NR9GU |

# 1. Rates and Charges
## 1.3 Ordering of Service

### 1.3.1 NRCs

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Data Entry Search | NRC - Per 15 minute interval or fraction thereof | 6.58 | NR9GY |
| | Labor | Technician - Scheduled Work Hours - Per hour or fraction thereof | 38.20 | |
| | | Technician - Non-scheduled Work Hours - Per hour or fraction thereof | 51.25 | |
| | | Service Representative - Scheduled Work Hours - Per hour or fraction thereof | 39.34 | |
| | | Service Representative - Non-scheduled Work Hours - Per hour or fraction thereof | 58.24 | |
| | | Engineer - Scheduled Work Hours - Per hour or fraction thereof | 56.41 | |
| | Joint Meet Testing | Note: A Customer Misdirect - In or Out NRC applies as appropriate. | See Note | |

# 1. Rates and Charges
## 1.4 Issuance, Payment and Crediting of Customer Bills

### 1.4.1 Additional Copies of Bills and Reports

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Additional Copies | NRC - Per paper copy | 12.98 | |
| | | NRC - Per diskette | 13.23 | |
| | | NRC - Per cd rom | 20.99 | |
| | | NRC - Per magnetic tape | 19.07 | |
| | | NRC - Per magnetic cartridge | 19.32 | |

### 1.4.2 Reserved for Future Use

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | | | | |

# 1. Rates and Charges
## 1.5 Wire Centers by Density Zone

There are no rates and charges contained in this section.

# 2. Rates and Charges
## 2.1 Unbundled Network Elements (UNEs)

Rates and charges for the individual UNEs are contained in the following subsections.

# 2. Rates and Charges
## 2.2 Unbundled IOF Transport

### 2.2.1 Interoffice Transmission Facilities

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Dedicated Transport | DS1 - Mileage - Monthly - Fixed | 107.76 | ULYHX |
| | | DS1 - Mileage - Monthly - Per mile | 0.52 | ULNHS |
| | | DS3 - Mileage - Monthly - Fixed | 839.72 | ULYJX |
| | | DS3 - Mileage - Monthly - Per mile | 14.41 | ULNJS |
| | | STS-1 - Mileage - Monthly - Fixed | 785.84 | ULY9X |
| | | STS-1 - Mileage - Monthly - Per mile | 14.41 | ULN9S |
| | | OC3 - Mileage - Monthly - Fixed | 1,536.40 | ULYSX |
| | | OC3 - Mileage - Monthly - Per mile | 43.21 | ULNSS |
| | | OC12 - Mileage - Monthly - Fixed | 3,814.06 | ULYSX |
| | | OC12 - Mileage - Monthly - Per mile | 172.87 | ULNSS |
| | | OC48 Mileage - Monthly - Fixed | 9,619.68 | |
| | | OC48 Mileage - Monthly - Per mile | 261.80 | |

# 11. Collocation at Remote Terminal Equipment Enclosures (CRTEE)

## 11.1 General

| 11.1.4 | Responsibility of the CLEC |
|---|---|
| C. | CLEC-provided equipment must conform with the Telephone Company's technical engineering specifications and NEBS requirements. |
| D. | The CLEC is responsible for maintenance of its equipment located within the RTEE. The CLEC will be escorted by qualified Telephone Company employees on these occasions. |

| 11.1.5 | Security |
|---|---|
| A. | Escorts will be provided by the Telephone Compay where the CLEC requires access to its collocated equipment located in the Telephone Company's RTEE. |

# 11. Collocation at Remote Terminal Equipment Enclosures (CRTEE)

## 11.2 Application of Rates and Charges

| 11.2.1 Nonrecurring Charges | |
|---|---|
| A. | The following NRCs will apply. |
| 1. | **Remote Terminal Serving Address Inquiry**—Applies per request. |
| 2. | **Preliminary Engineering Records Review**—Applies per request. |
| 3. | **Site Survey for Space Availability Inquiry**—Applies per request. |
| 4. | **Application Fee**—Applies per CRTEE arrangement request. |
| 5. | **Engineering and Implementation Fee**—Applies per CRTEE arrangement request. |
| 6. | **Site Preparation Fee**—Applies per CRTEE arrangement request, as required. |

| 11.2.2 Monthly Rates | |
|---|---|
| A. | **Equipment Support**—The rate applies per half rack or portion thereof (associated with the footprint of the equipment bay). Refer to Part M, Section 5.3.9. |
| B. | **DC Power**—The rate applies per load amp based on the total number of load amps ordered on each feed, when CLEC equipment is located within the RTEE (less than or equal to 60 amps). Refer to Part M, Section 5.3.8. |
| C. | **Conduit and Space**—Applies per foot, per cable, for cabling and cable support between the demarcation point and any Telephone Company-owned cross-connect points. Refer to Part M, Section 5.2.7. |

| 11.2.3 Other | |
|---|---|
| A. | For physical CRTEE arrangements, the SAC Cable and Frame Termination will apply (refer to Part E, Section 2.6.4). |
| B. | For virtual CRTEE arrangements, the IAC rates and charges will apply (refer to Part E, Section 3.5.5). |
| C. | **Escorting**—Refer to Part E, Section 2.6.6 and Section 3.5.14. |
| D. | **Miscellaneous Collocation Power Service Charge**—The miscellaneous collocation power service charge (NRC) specified for physical collocation applies. |

# 1. Reserved for Future Use

# 1. Reserved for Future Use

# 1. Reserved for Future Use

# 1. Reserved for Future Use

# 1. Reserved for Future Use

# 1. Reserved for Future Use

# 1. Reserved for Future Use

# 1. Rates and Charges
## 1.1 Tariff Information and General Regulations

There are no rates and charges contained in this section.

# 1. Rates and Charges
## 1.2 Bona Fide Request Process (BFR)

There are no rates and charges contained in this section.

# 1. Rates and Charges
## 1.1 Tariff Information and General Regulations

There are no rates and charges contained in this section.

# 1. Rates and Charges
## 1.2 Bona Fide Request Process (BFR)

There are no rates and charges contained in this section.

# 1. Rates and Charges
## 1.3 Ordering of Service

### 1.3.1 NRCs

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Service Order | Dedicated IOF Transport - Per order | 14.47 | NR93M |
| | | Dedicated IOF Transport - Expedited - Per order | 21.42 | NR9U6 |
| | | Dark Fiber IOF - Per order | 37.59 | |
| | | Dark Fiber IOF - Expedited - Per order | 55.59 | |
| | | Dark Fiber Loop - Per order | 37.59 | |
| | | Dark Fiber Loop - Expedited - Per order | 55.59 | |
| | | Local Loops - 2W or 4W Links - Analog - 2-9 Links - Per order | 6.22 | |
| | | Local Loops - 2W or 4W Links- Analog - 2-9 Links - Expedited - Per order | 9.21 | EODCD |
| | | Local Loops - 2W or 4W Links - Analog - 10+ Links - Per order | 8.69 | |
| | | Local Loops - 2W or 4W Links - Analog - 10+ Links - Expedited - Per order | 12.85 | EODCE |
| | | Local Loops - 2W Links - Digital - 1 Link - Per order | 3.72 | |
| | | Local Loops - 2W Links - Digital - 1 Link - Expedited - Per order | 5.52 | EODCL |
| | | Local Loops - 2W Links - Digital - 2-9 Links - Per order | 9.95 | |
| | | Local Loops - 2W Links - Digital - 2-9 Links - Expedited - Per order | 14.72 | EODCM |
| | | Local Loops - 2W Links - Digital - 10+ Links - Per order | 12.40 | |
| | | Local Loops - 2W Links - Digital - 10+ Links - Expedited - Per order | 18.36 | EODCN |
| | | Local Loops - 56 KD Links - Per order | 39.45 | |
| | | Local Loops - 56 KD Links - Expedited - Per order | 58.40 | |

# 1. Rates and Charges
## 1.3 Ordering of Service

### 1.3.1 NRCs

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Service Order | Local Loops - 1.544 High Capacity or 4W Digital (HDSL) Link - Per order | 39.44 | NR93M |
| | | Local Loops - 1.544 High Capacity or 4W Digital (HDSL)Link - Expedited - Per order | 58.40 | EODCB |
| | | Local Loops - 44.736 High Capacity Link - Per order | 14.47 | |
| | | Local Loops - 44.736 High Capacity Link - Expedited - Per order | 21.41 | |
| | | Local Switching - Line Port - Integrated Digital Loop Carrier Port - Per port | 13.14 | UYG |
| | | Local Switching - Line Port - Integrated Digital Loop Carrier Port - Expedited - Per order | 19.47 | |
| | | UNE–P Combination - 2W Links - Analog - 2-9 Links - Per migration order | 8.68 | |
| | | UNE–P Combination - 2W Links- Analog - 2-9 Links - Expedited - Per migration order | 12.85 | |
| | | UNE–P Combination - 2W Links - Analog - 10+ Links - Per new order | 8.68 | |
| | | UNE–P Combination - 2W Links - Analog - 10+ Links - Expedited - Per new order | 12.85 | |
| | | UNE–P Combination - 2W Links - Analog - 10+ Links - Per migration order | 8.68 | |
| | | UNE–P Combination - 2W Links - Analog - 10+ Links - Expedited - Per migration order | 12.85 | |
| | | UNE–P Combination - 2W Links - Digital - 1 Link - Per new order | 13.15 | |

# 1. Rates and Charges
## 1.3 Ordering of Service

### 1.3.1 NRCs

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Service Order | UNE-P Combination - 2W Links - Digital - 1 Link - Expedited - Per new order | 19.47 | |
| | | UNE-P Combination - 2W Links - Digital - 2-9 Links - Per new order | 13.15 | |
| | | UNE-P Combination - 2W Links - Digital - 2-9 Links - Expedited - Per new order | 19.47 | |
| | | UNE-P Combination - 2W Links - Digital - 2-9 Links - Per migration order | 8.68 | |
| | | UNE-P Combination - 2W Links - Digital - 2-9 Links - Expedited - Per migration order | 12.85 | |
| | | UNE-P Combination - 2W Links - Digital - 10+ Links - Per new order | 21.82 | |
| | | UNE-P Comb. - 2W Links - Digital - 10+ Links - Expedited - Per new order | 32.31 | |
| | | UNE-P Comb. - 2W Links - Digital - 10+ Links - Per migration order | 8.68 | |
| | | UNE-P Comb. - 2W Links - Digital - 10+ Links - Expedited - Per migration order | 12.85 | |
| | | UNE-P Comb. - 1.544 Mbps High Capacity Links - Per migration or new order | 39.45 | |
| | | UNE-P Comb. - 1.544 Mbps High Capacity Links - Expedited - Per migration or new order | 58.40 | |
| | | Dark Fiber IOF - Per order | 37.59 | |
| | | Dark Fiber IOF - Expedited - Per order | 55.59 | |
| | | Dark Fiber Loop - Per order | 37.59 | |
| | | Dark Fiber Loop - Expedited - Per order | 55.59 | |

# 1. Rates and Charges
## 1.3 Ordering of Service

### 1.3.1 NRCs

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Service Order | USLA - 2W - Per order | 13.15 | |
| | | USLA - 2W - Expedited - Per order | 19.47 | |
| | | USLA - 4W - Per order | 39.45 | |
| | | USLA - 4W - Expedited - Per order | 58.40 | |
| | | Line Sharing - 1 Link - Per order | 13.15 | |
| | | Line Sharing - 2–9 Links - Per order | 13.15 | |
| | | Line Sharing - 10+ Links - Per order | 21.82 | |
| | | Line Sharing - 1 Link - Expedited - Per order | 19.47 | |
| | | Line Sharing - 2–9 Links - Expedited - Per order | 19.47 | |
| | | Line Sharing - 10+ Links - Expedited - Per order | 32.31 | |
| | Manual Intervention Surcharge | Dedicated Tandem Trunk Ports - Per port | 13.15 | |
| | | Dedicated Tandem Trunk Ports - Expedited - Per port | 19.47 | |
| | | Local Loops - Analog and Digital - 1 link - Per order | 21.36 | NR9U5 |
| | | Local Loops - Analog and Digital - 1 link - Per link | 7.15 | NR9U5 |
| | | Local Loops - Analog and Digital - 1 link - Expedited - Per order | 31.64 | EODCF |
| | | Local Loops - Analog and Digital - 1 link - Expedited - Per link | 7.15 | EODCF |
| | | Local Loops - Analog and Digital - 2-9 links - Per order | 41.83 | NR930 |
| | | Local Loops - Analog and Digital - 2-9 links - Per link | 7.15 | NR930 |
| | | Local Loops - Analog and Digital - 2-9 links - Expedited - Per order | 61.92 | EODCG |

# 1. Rates and Charges
## 1.3 Ordering of Service

### 1.3.1 NRCs

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Manual Intervention Surcharge | Local Loops - Analog and Digital - 2-9 links - Expedited - Per link | 7.15 | EODCG |
| | | Local Loops - Analog and Digital - 10+ links - Per order | 190.91 | NR93P |
| | | Local Loops - Analog and Digital - 10+ links - Per link | 7.15 | NR93P |
| | | Local Loops - Analog and Digital - 10+ links - Expedited - Per order | 282.65 | EODCH |
| | | Local Loops - Analog and Digital - 10+ links - Expedited - Per link | 7.15 | EODCH |
| | | Local Loops - 56 KD - Per order | 4.21 | |
| | | Local Loops - 56 KD - Per link | 7.15 | |
| | | Local Loops - 56 KD - Expedited - Per order | 6.23 | |
| | | Local Loops - 56 KD - Expedited - Per link | 7.15 | |
| | | Local Loops - 1.544 High Capacity and 4W Digital (HDSL) Link - Per order | 4.21 | NE9U5 |
| | | Local Loops - 1.544 High Capacity and 4W Digital (HDSL) Link - Expedited - Per order | 6.23 | EODCF |
| | | Local Switching - Line Port/Trunk Port - Per order | 13.14 | NR9U5 |
| | | Local Switching - Trunk Ports - Expedited - Per order | 19.47 | NR94C |
| | | Network Interface Device - 2W or 4W - Per Order | 12.88 | |
| | | Network Interface Device - 2W or 4W- Expedited - Per order | 19.07 | |
| | | UNE–P Combination - 2W Links - Analog - 1 Link - Per new order | 12.88 | |
| | | UNE–P Combination - 2W Links - Analog - 1 Link - Expedited - Per new order | 19.07 | |

# 1. Rates and Charges
## 1.3 Ordering of Service

| 1.3.1 NRCs | | | | |
|---|---|---|---|---|
| ID | Service Category | Rate Element | Rate | USOC |
| | Manual Intervention Surcharge | UNE–P Combination - 2W Links - Analog - 1 Link - Per migration order | 24.72 | |

# 1. Rates and Charges
## 1.3 Ordering of Service

### 1.3.1 NRCs

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Manual Intervention Surcharge | UNE-P Combination - 2W Links-Analog - 1 Link - Expedited - Per migration order | 36.60 | |
| | | UNE-P Combination - 2W Links - Analog - 2-9 Links - Per new order | 37.86 | |
| | | UNE-P Combination - 2W Links - Analog - 2-9 Links - Expedited - Per new order | 56.06 | |
| | | UNE-P Combination - 2W Links - Analog - 2-9 Links - Per migration order | 43.39 | |
| | | UNE-P Combination - 2W Links-Analog - 2-9 Links - Expedited - Per migration order | 64.24 | |
| | | UNE-P Combination - 2W Links - Analog - 10+ Links - Per new order | 208.25 | |
| | | UNE-P Combination - 2W Links - Analog - 10+ Links - Expedited - Per new order | 308.32 | |
| | | UNE-P Combination - 2W Links - Analog - 10+ Links - Per migration order | 184.06 | |
| | | UNE-P Combination - 2W Links - Analog - 10+ Links - Expedited - Per migration order | 272.51 | |
| | | UNE-P Combination - 2W Links - Digital - 1 Link - Per new order | 12.88 | |
| | | UNE-P Combination - 2W Links - Digital - 1 Link - Expedited - Per new order | 19.07 | |
| | | UNE-P Combination - 2W Links - Digital - 1 Link - Per migration order | 24.72 | |
| | | UNE-P Combination - 2W Links - Digital - 1 Link - Expedited - Per migration order | 36.60 | |

# 1. Rates and Charges
## 1.3 Ordering of Service

### 1.3.1 NRCs

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Manual Intervention Surcharge | UNE-P Combination - 2W Links - Digital - 2-9 Links - Per new order | 37.86 | |
| | | UNE-P Combination - 2W Links - Digital - 2-9 Links - Expedited - Per new order | 56.06 | |
| | | UNE-P Combination - 2W Links - Digital - 2-9 Links - Per migration order | 43.39 | |
| | | UNE-P Combination - 2W Links - Digital - 2-9 Links - Expedited - Per migration order | 64.24 | |
| | | UNE-P Combination - 2W Links - Digital - 10+ Links - Per new order | 208.25 | |
| | | UNE-P Combination - 2W Links - Digital - 10+ Links - Expedited - Per new order | 308.32 | |
| | | UNE-P Combination - 2W Links - Digital - 10+ Links - Per migration order | 184.06 | |
| | | UNE-P Combination - 2W Links - Digital - 10+ Links - Expedited - Per migration order | 272.51 | |
| | | UNE-P Combination - 1.544 Mbps High Capacity Links - Per migration or new order | 4.21 | |
| | | UNE-P Combination - 1.544 Mbps High Capacity Links - Expedited - Per migration or new order | 6.23 | |
| | | USLA - 2W - Per order | 12.88 | |
| | | USLA - 2W - Expedited - Per order | 19.07 | |
| | | USLA - 4W - Per order | 4.53 | |
| | | USLA - 4W - Expedited - Per order | 6.70 | |
| | | Line Sharing - 1 Link - Per order | 12.88 | |
| | | Line Sharing - 2-9 Links - Per order | 37.86 | |

# 1. Rates and Charges
## 1.3 Ordering of Service

### 1.3.1 NRCs

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Manual Intervention Surcharge | Line Sharing - 10+ Links - Per order | 208.25 | |
| | | Line Sharing - 1 Link - Expedited - Per order | 19.07 | |
| | | Line Sharing - 2–9 Links - Expedited - Per order | 56.06 | |
| | | Line Sharing - 10+ Links - Expedited - Per order | 308.32 | |
| | Service Connection - Central Office Wiring | Dedicated IOF - DS1 - Per facility | 97.47 | NR94L |
| | | Dedicated IOF - DS1 - Expedited - Per facility | 129.28 | NR94T |
| | | Dedicated IOF - DS3, STS-1 or OC3 - Per facility | 215.56 | NR94L |
| | | Dedicated IOF - DS3, STS-1 or OC3 - Expedited - Per facility | 285.90 | NR94T |
| | | Dedicated IOF - OC12 - Per facility | 270.37 | NR94L |
| | | Dedicated IOF- OC12 - Expedited - Per facility | 358.60 | NR94T |
| | | Dedicated Tandem Trunk Ports - Per port | 10.74 | |
| | | Dedicated Tandem Trunk Ports - Expedited - Per port | 14.24 | |
| | | Local Loops - Analog - Per link | 13.89 | |
| | | Local Loops - Digital - Per link | 13.89 | NR93Q |
| | | Local Loops - 56 KD - Per link | 28.54 | |
| | | Local Loops - 1.544 High Capacity and 4W Digital (HDSL) Link - Per link | 28.54 | NR93Q |
| | | Local Loops - 44.736 High Capacity Link - Per link | 215.56 | |
| | | Local Loops - 44.736 High Capacity Link - Expedited - Per link | 285.90 | |
| | | Local Switching - Line Port - Analog - Per port | 7.07 | SEPU4 |

# 1. Rates and Charges
## 1.3 Ordering of Service

### 1.3.1 NRCs

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Service Connection - Central Office Wiring | Local Switching - Line Port - Basic Rate ISDN - Per port | 7.07 | SEPU4 |
| | | Local Switching - Line Port - Primary Rate ISDN - Per port | 10.74 | SEPUR |
| | | Local Switching - Line Port - Electronic Key Telephone Port - Per port | 7.07 | SEPU4 |
| | | Local Switching - Line Port - Public Access Line Port - Per port | 7.07 | SEPU4 |
| | | Local Switching - Line Port - Coin Telephone Port - Per port | 7.07 | SEPU9 |
| | | Local Switching - Line Port - DS1 DID/DOD/PBX - Per port | 10.74 | SEPUR |
| | | Local Switching - Line Port - SMDI II Port - Per port | 73.46 | |
| | | Local Switching - Line Port - Integrated Digital Loop Carrier Port - Per port | 10.74 | |
| | | Local Switching - Trunk Ports - Per port | 10.74 | NR94M |
| | | Local Switching - Trunk Ports - Expedited - Per port | 14.24 | NR94Q |
| | | UNE-P Combination - Analog - New order - Per port | 7.07 | |
| | | UNE-P Combination - Analog - Expedited - New order - Per port | 7.07 | |
| | | UNE-P Combination - 2W digital - New order - Per port | 7.07 | |
| | | UNE-P Combination - 2W digital - Expedited - New order - Per port | 7.07 | |
| | | UNE-P Combination - Local Switching Line Port Basic Rate ISDN - New order - Per port | 7.07 | |

# 1. Rates and Charges
## 1.3 Ordering of Service

### 1.3.1 NRCs

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Service Connection - Central Office Wiring | UNE-P Combination - Local Switching Line Port Basic Rate ISDN - Expedited - New order - Per port | 7.07 | |
| | | UNE-P Combination - Dedicated DS1 Trunk Port - New order - Per port | 10.74 | |
| | | UNE-P Combination - Dedicated DS1 Trunk Port - Expedited - New order - Per port | 14.24 | |
| | | UNE-P Combination - Primary Rate ISDN - Line Port - New order - Per port | 10.74 | |
| | | UNE-P Combination - Primary Rate ISDN - Line Port - Expedited - New order - Per port | 14.24 | |
| | | Dark Fiber IOF - Per pair | 28.63 | |
| | | Dark Fiber IOF - Expedited - Per pair | 38.04 | |
| | | Dark Fiber Loop - Per pair | 25.88 | |
| | | Dark Fiber Loop - Expedited - Per pair | 34.40 | |
| | | Line Sharing - Per link | 11.87 | |
| | | Line Sharing - Each additional link | 11.87 | |
| | | Line Sharing - Pair Swap | TBD | |
| | Service Connection - Other | Dedicated IOF - DS1 - Per facility | 124.07 | NR94G |
| | | Dedicated IOF - DS1 - Expedited - Per facility | 135.86 | NR94P |
| | | Dedicated IOF - DS3, STS-1 or OC3 - Per facility | 124.07 | NR94G |
| | | Dedicated IOF - DS3, STS-1 or OC3 - Expedited - Per facility | 135.86 | NR94P |
| | | Dedicated IOF - OC12 - Per facility | 142.15 | NR94G |
| | | Dedicated IOF-OC12 - Expedited - Per facility | 156.06 | NR94P |

# 1. Rates and Charges
## 1.3 Ordering of Service

### 1.3.1 NRCs

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Service Connection - Other | Dedicated Tandem Trunk Ports - Per port | 105.40 | NR94E |
| | | Dedicated Tandem Trunk Ports - Expedited - Per port | 135.64 | NR94J |
| | | Local Loops - Analog or Digital - Per link | 27.57 | NR93R |
| | | Local Loops - 56 KD - Per link | 76.40 | |
| | | Local Loops - 1.544 High Capacity and 4W Digital (HDSL) Link - Per link | 76.40 | NR93R |
| | | Local Loops - 44.736 High Capacity Link - Per link | 124.07 | |
| | | Local Loops - 44.736 High Capacity Link - Expedited - per link | 135.86 | |
| | | Local Switching - Line Port - Analog - Per port | 8.92 | UYP |
| | | Local Switching - Line Port - Basic Rate ISDN - Per port | 8.92 | U1P |
| | | Local Switching - Line Port - Primary Rate ISDN - Per port | 89.17 | UJP |
| | | Local Switching - Line Port - Electronic Key Telephone Port - Per port | 8.92 | U4P |
| | | Local Switching - Line Port - Public Access Line Port - Per port | 8.92 | U7N |
| | | Local Switching - Line Port - Coin Telephone Port - Per port | 8.92 | UYC |
| | | Local Switching - Line Port - DS1 DID/DOD/PBX - Per port | 89.17 | U9P |
| | | Local Switching - Line Port - SMDI II Port - Per port | 124.07 | UQY |
| | | Local Switching - Line Port - Integrated Digital Loop Carrier Port - Per port | 89.17 | |
| | | Local Switching - Trunk Ports - Per port | 89.17 | |

# 1. Rates and Charges
## 1.3 Ordering of Service

### 1.3.1 NRCs

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Service Connection - Other | Local Switching - Trunk Ports - Expedited - Per port | 115.10 | |
| | | TOPS Trunk Port - Per Port | 69.51 | NR94F |
| | | TOPS Trunk Port - Expedited - Per port | 89.58 | NR94K |
| | | UNE-P Combination - Analog - New order - Per port | 1.69 | |
| | | UNE-P Combination - Analog - New order - Expedited - Per port | 1.69 | |
| | | UNE-P Combination - Analog - Migration order - Per port | 1.42 | |
| | | UNE-P Combination - Analog - Migration order - Expedited - Per port | 1.42 | |
| | | UNE-P Combination - Local Switching Line Port Basic Rate Interface ISDN - New order - Per port | 1.69 | |
| | | UNE-P Combination - Local Switching Line Port Basic Rate Interface ISDN - New order - Expedited - Per port | 1.69 | |
| | | UNE-P Combination - Local Switching Line Port Basic Rate Interface ISDN - Migration order - Per port | 1.42 | |
| | | UNE-P Combination - Local Switching Line Port Basic Rate Interface ISDN - Migration order - Expedited - Per port | 1.42 | |
| | | UNE-P Combination - Dedicated DS1 Trunk Port - New order - Per port | 89.17 | |
| | | UNE-P Combination - Dedicated DS1 Trunk Port - New order - Expedited - Per port | 115.10 | |
| | | UNE-P Combination - Dedicated DS1 Trunk Port - Migration order - Per port | 46.69 | |

# 1. Rates and Charges
## 1.3 Ordering of Service

### 1.3.1 NRCs

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Service Connection - Other | UNE-P Combination - Dedicated DS1 Trunk Port - Migration order - Expedited - Per port | 59.04 | |
| | | UNE-P Combination - Local Switching Line Primary Rate ISDN - New order - Per port | 89.17 | |
| | | UNE-P Combination - Local Switching Primary Rate ISDN - New order - Expedited - Per port | 115.10 | |
| | | UNE-P Combination - Local Switching Line Primary Rate ISDN - Migration order - Per port | 46.69 | |
| | | UNE-P Combination - Local Switching Primary Rate ISDN - Migration order - Expedited - Per port | 59.04 | |
| | | UNE-P Combination - Coin Telephone Port - New order - Per port | 1.69 | |
| | | UNE-P Combination - Coin Telephone Port - New order - Expedited - Per port | 1.69 | |
| | | UNE-P Combination - Coin Telephone Port - Migration order - Per port | 1.42 | |
| | | UNE-P Combination - Coin Telephone Port - Migration order - Expedited - Per port | 1.42 | |
| | | UNE-P Combination - PAL Port - New order - Per port | 1.69 | |
| | | UNE-P Combination - PAL Port - New order - Expedited - Per port | 1.69 | |
| | | UNE-P Combination - PAL Port - Migration order - Per port | 1.42 | |
| | | UNE-P Combination - PAL Port - Migration order - Expedited - Per port | 1.42 | |
| | | Dark Fiber IOF - Per pair | 125.07 | |
| | | Dark Fiber IOF - Expedited - Per pair | 160.88 | |

# 1. Rates and Charges
## 1.3 Ordering of Service

### 1.3.1 NRCs

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Service Connection - Other | Dark Fiber Loop - Per pair | 284.09 | |
| | | Dark Fiber Loop - Expedited - Per pair | 381.25 | |
| | | USLA - 2W - New order - First sub-loop | 1.10 | |
| | | USLA - 2W - New order - Each additional sub-loop | 1.10 | |
| | | USLA - 2W - Migration order - First sub-loop | 29.64 | |
| | | USLA - 2W - Migration order - Each additional sub-loop | 29.64 | |
| | | USLA - 4W - New order - First sub-loop | 1.18 | |
| | | USLA - 4W - New order - Each additional sub-loop | 1.18 | |
| | | USLA - 4W - Migration order - First sub-loop | 31.91 | |
| | | USLA - 4W - Migration order - Each additional sub-loop | 31.91 | |
| | | Line Sharing - Per link | 1.10 | |
| | | Line Sharing - Pair swap | TBD | |
| | Dispatch Out - Out of Hours | Per hour or fraction thereof (4 hour minimum charge) | 51.25 | |
| | Installation Dispatch Out | Local Loops - Analog or Digital - 1 Link - Per location dispatched - Per occurrence | 27.06 | |
| | | Local Loops - Analog or Digital - 2-9 Link - Per location dispatched - Per occurrence | 31.91 | |
| | | Local Loops - Analog or Digital - 10+ Link - Per location dispatched - Per occurrence | 36.00 | |
| | | Local Loops - 56 KD - Per location dispatched - Per occurrence | 36.25 | |

# 1. Rates and Charges
## 1.3 Ordering of Service

### 1.3.1 NRCs

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Installation Dispatch Out | Local Loops - 1.544 High Capacity Link - Per location dispatched - Per occurrence | 36.25 | |
| | | Local Loops - 44.736 High Capacity Link - Per location dispatched - Per occurrence | 36.25 | |
| | | Dark Fiber IOF - Per request | 82.78 | |
| | | Dark Fiber IOF - Expedited - Per request | 110.37 | |
| | | Dark Fiber Loop - Per request | 82.78 | |
| | | Dark Fiber Loop - Expedited - Per request | 110.37 | |
| | | Line Sharing - 1st Link - Per location dispatched - Per occurrence | 27.06 | |
| | | Line Sharing - 2-9 Link - Per location dispatched - Per occurrence | 31.91 | |
| | | Line Sharing - 10+ Link - Per location dispatched - Per occurrence | 36.00 | |
| | | Line Sharing - Pair Swap | TBD | |
| | | USLA - 2W - New order - First sub-loop | 69.30 | |
| | | USLA - 2W - New order - Each additional sub-loop | 27.11 | |
| | | USLA - 2W - New order - Expedited First sub-loop | 92.40 | |
| | | USLA - 2W - New order - Expedited Each additional sub - loop | 36.15 | |
| | | USLA - 2W - Migration order - First sub-loop | 78.93 | |
| | | USLA - 2W - Migration order - Each additional sub-loop | 36.57 | |
| | | USLA - 2W - Migration order - Expedited First sub-loop | 105.25 | |

# 1. Rates and Charges
## 1.3 Ordering of Service

### 1.3.1 NRCs

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Installation Dispatch Out | USLA - 2W - Migration order - Expedited Each additional sub-loop | 48.76 | |
| | | USLA - 4W - New order - First sub-loop | 87.12 | |
| | | USLA - 4W - New order - Each additional sub - loop | 80.98 | |
| | | USLA - 4W - New order - Expedited First sub-loop | 116.16 | |
| | | USLA - 4W - New order - Expedited Each additional sub - loop | 107.97 | |
| | | USLA - 4W - Migration order - First sub -loop | 88.35 | |
| | | USLA - 4W - Migration order - Each additional sub-loop | 43.97 | |
| | | USLA - 4W - Migration order - Expedited First sub-loop | 117.80 | |
| | | USLA - 4W - Migration order - Expedited Each additional sub-loop | 58.62 | |
| | Customer Not Ready - In | Per Occurrence | 25.88 | |
| | Customer Not Ready - Out | Per Occurrence | 25.88 | |
| | Customer Misdirect - In | Per Occurrence | 47.43 | |
| | | Expedited - Per occurrence | 63.56 | |
| | Customer Misdirect - Out | Per Occurrence | 71.26 | |
| | | Expedited - Per occurrence | 95.80 | |
| | Modification | NRC - Per change | 6.58 | NR9GU |
| | Service Date Change | NRC - Per change | 6.58 | REAK4 |
| | Design Change | NRC - Per change | 6.58 | REAK5 |
| | Record Change | NRC - Per change | 6.58 | NR9GU |

# 1. Rates and Charges
## 1.3 Ordering of Service

### 1.3.1 NRCs

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Data Entry Search | NRC - Per 15 minute interval or fraction thereof | 6.58 | NR9GY |
| | Labor | Technician - Scheduled Work Hours - Per hour or fraction thereof | 38.20 | |
| | | Technician - Non-scheduled Work Hours - Per hour or fraction thereof | 51.25 | |
| | | Service Representative - Scheduled Work Hours - Per hour or fraction thereof | 39.34 | |
| | | Service Representative - Non-scheduled Work Hours - Per hour or fraction thereof | 58.24 | |
| | | Engineer - Scheduled Work Hours - Per hour or fraction thereof | 56.41 | |
| | Joint Meet Testing | Note: A Customer Misdirect - In or Out NRC applies as appropriate. | See Note | |

# 1. Rates and Charges
## 1.4 Issuance, Payment and Crediting of Customer Bills

### 1.4.1 Additional Copies of Bills and Reports

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Additional Copies | NRC - Per paper copy | 12.98 | |
| | | NRC - Per diskette | 13.23 | |
| | | NRC - Per cd rom | 20.99 | |
| | | NRC - Per magnetic tape | 19.07 | |
| | | NRC - Per magnetic cartridge | 19.32 | |

### 1.4.2 Reserved for Future Use

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | | | | |

# 1. Rates and Charges
## 1.5 Wire Centers by Density Zone

There are no rates and charges contained in this section.

# 2. Rates and Charges
## 2.1 Unbundled Network Elements (UNEs)

Rates and charges for the individual UNEs are contained in the following subsections.

# 2. Rates and Charges
## 2.2 Unbundled IOF Transport

### 2.2.1 Interoffice Transmission Facilities

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Dedicated Transport | DS1 - Mileage - Monthly - Fixed | 107.76 | ULYHX |
| | | DS1 - Mileage - Monthly - Per mile | 0.52 | ULNHS |
| | | DS3 - Mileage - Monthly - Fixed | 839.72 | ULYJX |
| | | DS3 - Mileage - Monthly - Per mile | 14.41 | ULNJS |
| | | STS-1 - Mileage - Monthly - Fixed | 785.84 | ULY9X |
| | | STS-1 - Mileage - Monthly - Per mile | 14.41 | ULN9S |
| | | OC3 - Mileage - Monthly - Fixed | 1,536.40 | ULYSX |
| | | OC3 - Mileage - Monthly - Per mile | 43.21 | ULNSS |
| | | OC12 - Mileage - Monthly - Fixed | 3,814.06 | ULYSX |
| | | OC12 - Mileage - Monthly - Per mile | 172.87 | ULNSS |
| | | OC48 Mileage - Monthly - Fixed | 9,619.68 | |
| | | OC48 Mileage - Monthly - Per mile | 261.80 | |

# 2. Rates and Charges
## 2.3 Unbundled Multiplexer

| 2.3.1 Unbundled Multiplexer | | | | |
|---|---|---|---|---|
| ID | Service Category | Rate Element | Rate | USOC |
| | DS3/DS1 | Monthly | 215.50 | UM43X |
| | DS1/DS0 | Monthly | 197.21 | UM46X |

# 2. Rates and Charges
## 2.4 Tandem Switching

### 2.4.1 Dedicated Tandem Trunk Ports

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Dedicated Tandem Trunk Ports | Monthly - Per port | 298.56 | U4T |
| | TOPS Trunk Ports | Monthly - Per port | 298.56 | UOS |

### 2.4.2 Shared Tandem Trunk Ports

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Shared Tandem Trunk Ports | Peak - Per minute of use | .000572 | |
| | | Off Peak - Per minute of use | .000572 | |

### 2.4.3 Tandem Usage

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Tandem Switch Usage | Peak - Per minute of use | .000274 | |
| | | Off Peak - Per minute of use | .000274 | |

# 2. Rates and Charges
## 2.5 Local Loops

### 2.5.1 Two Wire Links

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Analog (Basic) | Urban - Monthly | 11.19 | ULB |
| | | Suburban - Monthly | 15.44 | ULB |
| | | Rural - Monthly | 19.13 | ULB |
| | Digital (Premium) | Urban - Monthly | 24.92 | |
| | | Suburban - Monthly | 31.74 | |
| | | Rural - Monthly | 28.73 | |
| | Loop Information Request | NRC - Per loop | TBD | NR9GN |

### 2.5.2 Four Wire Links

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Analog (Basic) | Urban - Monthly | 25.20 | ULB1X |
| | | Suburban - Monthly | 32.99 | ULB1X |
| | | Rural - Monthly | 40.07 | ULB1X |
| | 56 KD | Urban - Monthly | 43.66 | |
| | | Suburban - Monthly | 56.40 | |
| | | Rural - Monthly | 66.96 | |
| | Loop Information Request | NRC - Per loop | TBD | NR9GN |

### 2.5.3 High Capacity Links

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | 1.544 Mbps Links | Urban - Monthly | 160.95 | ULC1X |
| | | Suburban - Monthly | 206.52 | ULC1X |
| | | Rural - Monthly | 178.21 | ULC1X |

# 2. Rates and Charges
## 2.5 Local Loops

### 2.5.3 High Capacity Links

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | 44.736 Mbps Links | Urban - Monthly - Fixed - Per link | 739.96 | |
| | | Suburban - Monthly - Fixed - Per link | 739.96 | |
| | | Rural - Monthly - Fixed - Per link | 739.96 | |
| | | Urban - Monthly - Per 1/4 mile or fraction thereof - Per link | 10.86 | |
| | | Suburban - Monthly - Per 1/4 mile or fraction thereof - Per link | 10.86 | |
| | | Rural - Monthly - Per 1/4 mile or fraction thereof - Per link | 10.86 | |

### 2.5.4 xDSL Qualified and Digital Designed Links

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | 2W Digital (including ADSL, HDSL, SDSL and IDSL) | Urban - Monthly | 11.19 | |
| | | Suburban - Monthly | 15.44 | |
| | | Rural - Monthly | 19.13 | |
| | 4W Digital (including HDSL) | Urban - Monthly | 25.20 | |
| | | Suburban - Monthly | 32.99 | |
| | | Rural - Monthly | 40.07 | |
| | Digital Designed Link Options - 2W Digital Designed Metallic (18,000 to 30,000 feet) unloaded with standard bridged tap | Urban - Monthly | 11.19 | |
| | | Suburban - Monthly | 15.44 | |
| | | Rural - Monthly | 19.13 | |
| | Digital Designed Link Options - 2W ADSL qualified (Less than 18,000 feet) with bridged tap removed | Urban - Monthly | 11.19 | |
| | | Suburban - Monthly | 15.44 | |
| | | Rural - Monthly | 19.13 | |

# 2. Rates and Charges
## 2.5 Local Loops

### 2.5.4 xDSL Qualified and Digital Designed Links

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Digital Designed Link Options - 2W ADSL qualified(Less than 12,000 feet) with bridged tap removed | Urban - Monthly | 11.19 | |
| | | Suburban - Monthly | 15.44 | |
| | | Rural - Monthly | 19.13 | |
| | Digital Designed Link Options - 2W HDSL qualified (Less than 12,000 feet) with bridged tap removed | Urban - Monthly | 11.19 | |
| | | Suburban - Monthly | 15.44 | |
| | | Rural - Monthly | 19.13 | |
| | Digital Designed Link Options - 4W HDSL qualified (Less than 12,000 feet) with bridged tap removed | Urban - Monthly | 25.20 | |
| | | Suburban - Monthly | 32.99 | |
| | | Rural - Monthly | 40.07 | |
| | Digital Designed Link Options - 2W Digital Designed with ISDN Loop Extension Electronics on Metallic Portion | Urban - Monthly | 11.19 | |
| | | Suburban - Monthly | 15.44 | |
| | | Rural - Monthly | 19.13 | |
| | Digital Designed Link Options - 2W SDSL qualified with bridged tap removed | Urban - Monthly | 11.19 | |
| | | Suburban - Monthly | 15.44 | |
| | | Rural - Monthly | 19.13 | |
| | Digital Designed Link Options - 2W IDSL qualified (Less than 18,000 feet) with bridged tap removed | Urban - Monthly | 11.19 | |
| | | Suburban - Monthly | 15.44 | |
| | | Rural - Monthly | 19.13 | |
| | Mechanized Loop Qualification (ADSL/HDSL Qualified) | Monthly - Per link | .69 | |
| | Manual Loop Qualification | NRC - Per link | 72.37 | |
| | | NRC - Expedited - Per link | 97.86 | |
| | Engineering Query | NRC - Per link | 94.91 | |
| | | NRC - Expedited - Per link | 128.09 | |

# 2. Rates and Charges
## 2.5 Local Loops

| 2.5.4 xDSL Qualified and Digital Designed Links | | | | |
|---|---|---|---|---|
| ID | Service Category | Rate Element | Rate | USOC |
| | Engineering Work Order | NRC - Per link | 388.95 | |
| | | NRC - Expedited - Per link | 521.55 | |
| | Removal of Load Coils (under 21,000 feet) | NRC - Per link | 648.75 | |
| | | NRC - Expedited - Per link | 901.51 | |
| | Removal of Load Coils (under 27,000 feet) | NRC - Per link | 862.61 | |
| | | NRC - Expedited - Per link | 1,198.69 | |
| | Removal of One Bridged Tap | NRC - Per link | 173.24 | |
| | | NRC - Expedited - Per link | 240.73 | |
| | Removal of Multiple Bridged Taps | NRC - Per link | 422.53 | |
| | | NRC - Expedited - Per link | 587.15 | |
| | Addition of ISDN Loop Extension Electronics | NRC - Per link | 630.15 | |
| | | NRC - Expedited - Per link | 634.96 | |

# 2. Rates and Charges
## 2.6 Local Switching

### 2.6.1 Line Ports

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Line Ports | Analog - Monthly - Per port | 4.15 | |
| | | Basic Rate ISDN - Monthly - Per port | 38.46 | |
| | | Primary Rate ISDN - Monthly - Per port | 595.15 | |
| | | Integrated Digital Loop Carrier Port - Monthly - Per interface group (4 DS1 ports) | 384.01 | |
| | | Electronic Key Telephone Port - Monthly - Per port | 38.46 | |
| | | Public Access Line Port - Monthly - Per port | 4.15 | |
| | | Coin Telephone Port - Monthly - Per port | 6.36 | |
| | | DS1 DID/DOD/PBX - Monthly - Per port | 235.18 | |
| | | SMDI II Port - Monthly - Per port | 145.62 | UQY |
| | Feature Charge | NRC - Per order | .56 | |
| | Channel Activation Subsequent to Port Installation | NRC - Per channel | 8.92 | REAKC |
| | Traffic Study | Set Up - NRC - Per study | 47.80 | |
| | | Per Week - NRC - Per study | 33.13 | |
| | Line Port Features | AIN Triggers - Per query | .000279 | |
| | | AIN Triggers - SS7 Transport for AIN Message - Message Transport - Per query | .001369 | |
| | | Call Forwarding-Busy - Monthly - Per port | 0.0002 | |
| | | Call Forwarding-Don't Answer - Monthly - Per port | 0.0002 | |
| | | Call Forwarding-Variable - Monthly - Per port | 0.0006 | |

# 2. Rates and Charges
## 2.6 Local Switching

### 2.6.1 Line Ports

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Line Port Features | Call Waiting - Monthly - Per port | 0.0009 | |
| | | Centrex Intercom Dialing - Monthly - Per port | 0.7059 | |
| | | Centrex Intercom - Monthly - Per port | 1.9947 | |
| | | Centrex Announcement - Monthly - Per port | 1.2266 | |
| | | Centrex 3-Way Conference - Monthly - Per port | .2974 | |
| | | Centrex Automatic Callback - Monthly - Per port | .5017 | |
| | | Centrex Distinctive Ring - Monthly - Per port | .0787 | |
| | | Centrex Loudspeaker Paging - Monthly - Per port | 11.4828 | |
| | | Centrex Meet-Me Conference (DMS only) - Monthly - Per port | .8233 | |
| | | Centrex Selective Call Acceptance - Monthly - Per port | .0739 | |
| | | Centrex Selective Call Forwarding - Monthly - Per port | .0367 | |
| | | Centrex Selective Call Rejection - Monthly - Per port | .5816 | |
| | | Centrex Six Way Conference - Monthly - Per port | 1.4386 | |
| | | Centrex SMDR to Premise (DMS only) - Monthly - Per port | 42.3655 | |
| | | Custom Ringing - Monthly - Per port | 0.8217 | |
| | | Speed Dialing - Monthly - Per port | 0.0020 | |
| | | Three-Way Calling - Monthly - Per port | 0.2962 | |

# 2. Rates and Charges
## 2.6 Local Switching

### 2.6.1 Line Ports

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Line Port Features | Remote Call Forwarding - NRC - Per port | TBD | |
| | | Remote Call Forwarding - Monthly - Per port | 5.57 | |
| | Network Design Request | NRC - Per hour or fraction thereof | 56.41 | |

### 2.6.2 Trunk Ports

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Dedicated DS1 Trunk Port | Monthly - Per port | 235.18 | U6M |
| | Unbundled Shared Trunk Port | Peak - Per MOU | .000678 | |
| | | Off Peak - Per MOU | .000678 | |

### 2.6.3 Usage

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Unbundled Local Switching | Originating - Per MOU | .002921 | |
| | | Terminating - Per MOU | .002563 | |
| | Unbundled Tandem Transport | Peak - Per MOU | .000291 | |
| | | Off Peak - Per MOU | .000291 | |
| | Unbundled Local Common Transport | Peak - Per MOU | .001050 | |
| | | Off Peak - Per MOU | .001050 | |
| | Unbundled Toll Common Tandem Transport | Peak - Per MOU | .001332 | |
| | | Off Peak - Per MOU | .001332 | |
| | Tandem Transit Switching | Peak - Per MOU | .001418 | |
| | | Off Peak - Per MOU | .001418 | |
| | Unbundled Telephone Company Reciprocal Compensation | Peak - Per MOU | .003241 | |
| | | Off Peak - Per MOU | .003241 | |

# 2. Rates and Charges
## 2.6 Local Switching

| 2.6.3 Usage | | | | |
|---|---|---|---|---|
| ID | Service Category | Rate Element | Rate | USOC |
| | Unbundled TC Reciprocal Compensation | Peak - Per MOU | .005919 | |
| | | Off Peak - Per MOU | .005919 | |

# 2. Rates and Charges
## 2.7 Expanded Extended Loop (EEL)

### 2.7.1 Expanded Extended Loop (EEL)

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Link Test Charge | 2W Analog Loop (Basic Link) - Urban - Monthly - Per loop | .08 | |
| | | 2W Analog Loop (Basic Link) - Suburban - Monthly - Per loop | .12 | |
| | | 2W Analog Loop (Basic Link) - Rural - Monthly - Per loop | .15 | |
| | | 2W Digital Loop (ISDN Capable Link) - Urban - Monthly - Per loop | .20 | |
| | | 2W Digital Loop (ISDN Capable Link) - Suburban - Monthly - Per loop | .27 | |
| | | 2W Digital Loop (ISDN Capable Link) - Rural - Monthly - Per loop | .26 | |
| | | 4W Analog Loop (Basic Link) - Urban - Monthly - Per loop | .25 | |
| | | 4W Analog Loop (Basic Link) - Suburban - Monthly - Per loop | .33 | |
| | | 4W Analog Loop (Basic Link) - Rural - Monthly - Per loop | .38 | |
| | | 56 KD - Urban - Monthly - Per loop | .33 | |
| | | 56 KD - Suburban - Monthly - Per loop | .43 | |
| | | 56 KD - Rural - Monthly - Per loop | .51 | |
| | | 1.544 Mbps (DS1) Digital Loop (High Capacity Link) - Urban - Monthly - Per loop | 5.72 | |
| | | 1.544 Mbps (DS1) Digital Loop (High Capacity Link) - Suburban - Monthly - Per loop | 5.83 | |
| | | 1.544 Mbps (DS1) Digital Loop (High Capacity Link) - Rural - Monthly - Per loop | 5.64 | |
| | | 44.736 Mbps (DS3) Digital Loop (High Capacity Link) - Urban - Monthly - Per loop | 4.52 | |

# 2. Rates and Charges
## 2.7 Expanded Extended Loop (EEL)

### 2.7.1 Expanded Extended Loop (EEL)

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Link Test Charge | 44.736 Mbps (DS3) Digital Loop (High Capacity Link) - Suburban - Monthly - Per loop | 4.52 | |
| | | 44.736 Mbps (DS3) Digital Loop (High Capacity Link) - Rural - Monthly - Per loop | 4.52 | |
| | EEL Voice Grade/DS0 Transport | Monthly - Fixed - Per VG/DS0 channel | 48.30 | ULY3X |
| | | Monthly - Per mile - Per VG/DS0 channel | 0.02 | ULN3S |

# 2. Rates and Charges
## 2.8 Unbundled Network Element–Platform (UNE–P) Combinations

There are no rates and charges contained in this section.

# 2. Rates and Charges
## 2.9 Unbundled Network Element Combinations–Other

There are no rates and charges contained in this section.

# 2. Rates and Charges
## 2.10 Unbundled Dark Fiber

### 2.10.1 Unbundled Dark Fiber

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Records Review | NRC - Per request | 94.24 | |
| | Serving Wire Center Charge | Monthly - Per pair, per wire center | 7.60 | SP1DX |
| | IOF Channel Termination | Monthly - Fixed - Per pair | 7.47 | TUGSX |
| | | Monthly - Per 1/4 mile - Per pair | 12.84 | ULN1A |
| | IOF Mileage | Monthly - Per pair, per mile | 51.36 | 1UKTS |
| | Loop | Monthly - Fixed - Per pair | 5.81 | ULPFX |
| | | Monthly - Per 1/4 mile - Per pair | 16.27 | UL06A |
| | Other | Time and Materials - Network transport engineering - Planning - Per hour or fraction thereof - Per occasion | 51.79 | |
| | | Time and Materials - Network transport engineering - Planning - Expedited - Per hour or fraction thereof - Per occasion | 69.18 | |
| | | Time and Materials - Network transport engineering - Design - Per hour or fraction thereof - Per occasion | 51.79 | |
| | | Time and Materials - Network transport engineering - Design - Expedited - Per hour or fraction thereof - Per occasion | 69.18 | |
| | | Time and Materials - Outside plant operations - Per hour or fraction thereof - Per occasion | 45.26 | |
| | | Time and Materials - Outside plant operations - Expedited - Per hour or fraction thereof - Per occasion | 62.66 | |
| | | Time and Materials - CO frame technician - Per hour or fraction thereof - Per occasion | 44.69 | |
| | | Time and Materials - CO frame technician - Expedited - Per hour or fraction thereof - Per occasion | 59.01 | |

# 2. Rates and Charges
## 2.11 Unbundled Sub-Loop Arrangements

### 2.11.1 USLAs

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | TOPIC Interconnection | Application Fee - Per request | 2,500.00 | |
| | | FDI Serving Address Inquiry - Per request - Note: NRC will be determined on an individual case basis. | See Note | |
| | | Preliminary Engineering Records Review - Per request - Note: NRC will be determined on an individual case basis. | See Note | |
| | | TOPIC Interconnection - Per request - Note: NRC will be determined on an individual case basis. | See Note | |
| | USLA Sub-Loops | Urban - 2W - Monthly - Per sub-loop | 3.01 | |
| | | Suburban - 2W - Monthly - Per sub-loop | 5.52 | |
| | | Rural - 2W - Monthly - Per sub-loop | 6.23 | |
| | | Urban - 4W - Monthly - Per sub-loop | 5.09 | |
| | | Suburban - 4W - Monthly - Per sub-loop | 9.49 | |
| | | Rural - 4W - Monthly - Per sub-loop | 10.81 | |
| | Engineering Query | NRC - Note: Refer to Part M, Section 2.5.3 | See Note | |
| | Conditioning Options | NRC - Note: Refer to Part M, Section 2.5.3 | See Note | |

# 2. Rates and Charges
## 2.12 Line Sharing

### 2.12.1 Other

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Optional Wideband Test Access | Monthly - Per line | 1.88 | |

# 3. Rates and Charges

## 3.1 Reserved for Future Use

# 4. Rates and Charges

## 4.1 Reserved for Future Use

# 5. Rates and Charges
## 5.1 Collocation

Rates and charges for collocation services are contained in the following subsections.

# 5. Rates and Charges
## 5.2 Physical Collocation

### 5.2.1 Application Fees

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Collocation Arrangement | Note: 25% of the applicable NRC applies | See Note | |

### 5.2.2 Space Conditioning

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Multiplexing Node | 25 Square Feet - NRC | 12,181.00 | SP1E5 |
| | | 100 Square Feet - NRC | 13,497.92 | SP1E6 |
| | | 300 Square Feet - NRC | 15,740.19 | SP1E7 |
| | | Additional 20 Square Feet - NRC | 263.22 | SP1E8 |

### 5.2.3 Occupancy

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Building Expense | Monthly - Per square foot | 1.83 | SP1LW |
| | POT Bay Frame | NRC - Per Option 1 | 1,215.38 | SP1LZ |
| | | NRC - Per Option 2 | 530.93 | SP1L1 |
| | | Monthly - Per Option 1 | 10.70 | SP1LZ |
| | | Monthly - Per Option 2 | 12.84 | SP1L1 |
| | DC Power | Monthly - Greater than 60 amps - Per load amp on each feed | 15.83 | SP1JV |
| | | Monthly - Less than or equal to 60 amps - Per load amp on each feed | 16.52 | SP1JW |

### 5.2.4 Service Access Charge (SAC)

| ID | Service Category | Rate Element | Rate | USOC | |
|---|---|---|---|---|---|
| | SAC POT Bay Termination | Monthly - Per 2W VG (For line sharing, 2 terminations apply per line) | .08 | SP1LA | |
| | | Monthly - Per 4W VG | .16 | | |
| | | Monthly - Per 4W 56 KD | .16 | | (N) |

# 5. Rates and Charges
## 5.2 Physical Collocation

### 5.2.4 Service Access Charge (SAC)

| ID | Service Category | Rate Element | Rate | USOC | |
|---|---|---|---|---|---|
| | SAC POT Bay Termination | Monthly - Per DS1 | .37 | SP1LD | (X) |
| | | Monthly - Per DS3 | .67 | SP1LE | |
| | | Monthly - Per STS-1 | .67 | SP1LF | |
| | | Monthly - Per 2 fibers | 4.02 | SP1LG | |
| | | Monthly - Per OC3 | 4.02 | SP1LH | |
| | | Monthly - Per OC12 | 4.02 | SP1LJ | |
| | | Monthly - Per OC48 | 4.02 | SP1LK | |
| | SAC Cable and Frame Termination | Monthly - Per 2W VG (For line sharing, 2 terminations apply per line) | .20 | SP1LP | |
| | | Monthly - Per 4W VG | .40 | SP1LQ | |
| | | Monthly - Per 4W 56 KD | .40 | | (N) |
| | | Monthly - Per DS1 | 1.42 | SP1LR | |
| | | Monthly - Per DS3 | 31.14 | SP1LS | |
| | | Monthly - Per STS-1 | 31.14 | SP1LN | |
| | | Monthly - Per 2 fibers | 5.40 | SP1LO | |
| | | Monthly - Per OC3 | 5.40 | SP1LT | |
| | | Monthly - Per OC12 | 5.40 | SP1LU | |
| | | Monthly - Per OC48 | 5.40 | SP1LV | |

### 5.2.5 Cable Placement and Splicing

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Cable Pull and Splice | Note: Rates and charges are determined on an individual case basis. Labor charges are incurred at the rates contained in Part M | See Note | |

# 5. Rates and Charges
## 5.2 Physical Collocation

### 5.2.6 Escorting

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Escorting | Per Technician - First half hour or fraction thereof | 21.95 | NRBHH |
| | | Per Technician - Each additional quarter hour or fraction thereof | 10.97 | NRBHH |

### 5.2.7 Conduit

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Space and Conduit | Serving Wire Center Manhole to Collocated Customer's Cage - Monthly - Per foot - Per duct | .10 | SP1EK |
| | | Serving Wire Center Manhole to Collocated Customer's Cage - Monthly - Per foot - Per half duct | .05 | |

### 5.2.8 Site Survey/Report

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Site Survey/Report | NRC - Per request | 589.34 | |

### 5.2.9 Security Access Cards

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Security Access Cards | NRC - Per 5 cards | 78.86 | |

# 5. Rates and Charges
## 5.2 Physical Collocation

### 5.2.10 Splitter Arrangements

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | NRCs | Application Fee - Augment - Rearrangement of Equipment - Note: Refer to Part M, Section 5.3.1 | See Note | |
| | | Engineering and Implementation Fee - Augment – Rearrangement of Equipment - Note: Refer to Part M, Section 5.3.2 | See Note | |
| | | Splitter Installation - Telephone Company installation - Per shelf with 96 lines | 2,047.87 | |
| | Splitter Maintenance | Monthly - Option A - Per shelf | 25.35 | |
| | | Monthly - Option C - Per shelf | 29.69 | |
| | Floor Space and Relay Rack | Monthly - Per shelf | 3.35 | |

### 5.2.11 Miscellaneous Collocation Power Service Charge

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Miscellaneous Collocation Power Service | NRC - Note: The escort NRC applies. Refer to Part M, Section 5.2.6 | See Note | |

# 5. Rates and Charges
# 5.3 Virtual Collocation

## 5.3.1 Application Fees

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Initial Arrangement | NRC | 1,710.02 | SP1AV |
| | Subsequent Arrangement | NRC | 1,357.27 | |
| | Augment - Rearrangement of Equipment | NRC | 972.55 | SP1AQ |

## 5.3.2 Engineering and Implementation

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Initial Arrangement | NRC | 1,710.01 | SP1D1 |
| | Subsequent Arrangement | NRC | 1,357.26 | SP1D2 |
| | Augment - Rearrangement of Equipment | NRC | 972.55 | SP1D3 |
| | Software Upgrades/ Additional Cards per Shelf | NRC | 132.19 | SP1D4 |

## 5.3.3 Installation/Acceptance Testing

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | OC3 Equipment | NRC | 837.43 | NRBH2 |
| | OC12 Equipment | NRC | 837.43 | NRBH3 |
| | OC48 Equipment | NRC | 837.43 | NRBH4 |
| | Litespan Equipment | NRC | 837.43 | NRBYL |

# 5. Rates and Charges
## 5.3 Virtual Collocation

### 5.3.4 Interconnection Access Charge (IAC)

| ID | Service Category | Rate Element | Rate | USOC | |
|---|---|---|---|---|---|
| | IAC | NRC - Per 100 2W VG | 187.52 | NRBHO | |
| | | NRC - Per 50 4W VG | 187.52 | NRBHZ | |
| | | NRC - Per 50 4W 56 KD | 187.52 | | (N) |
| | | NRC - Per 28 DS1 | 159.73 | NRBHX | |
| | | NRC - Per DS3 | 172.51 | NRBHY | |
| | | NRC - Per STS-1 | 172.51 | NRBHW | |
| | | NRC - Per two fibers | 121.54 | NRB1T | |
| | | NRC - Per OC3 | 121.54 | NRBHU | |
| | | NRC - Per OC12 | 121.54 | NRBHV | |
| | | NRC - Per OC48 | 121.54 | NRBH9 | |
| | | Monthly - Per 2W VG (For line sharing, 2 terminations apply per line) | .04 | CXU0B | |
| | | Monthly - Per 4W VG | .07 | CXU0C | |
| | | Monthly - Per 4W 56 KD | .07 | | (N) |
| | | Monthly - Per DS1 | .85 | CXUDA | |
| | | Monthly - Per DS3 with one transmit and one receive | 17.86 | CXUEA | |
| | | Monthly - Per STS-1 | 17.86 | C2XSA | |
| | | Monthly - Per 2 fibers with one transmit and one receive | 5.90 | C2X1A | |
| | | Monthly - Per OC3 | 5.90 | CXUMA | |
| | | Monthly - Per OC12 | 5.90 | CXUNA | |
| | | Monthly - Per OC48 | 5.90 | CXUZA | |

# 5. Rates and Charges
## 5.3 Virtual Collocation

### 5.3.5 Fiber Placement and Splicing

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Fiber Placement and Splicing | Labor - Per outside plant technician - Per hour or fraction thereof | 44.17 | NRBH7 |
| | | Labor - Per outside plant engineer - Per hour or fraction thereof | 49.19 | NRBG9 |
| | | Materials - Note: Charges apply as appropriate. | See Note | |

### 5.3.6 Entrance Fiber Termination

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Entrance Fiber Termination | Monthly - Per 12 fibers terminated to fiber frame | 26.57 | SP1FV |

### 5.3.7 Fiber Distribution Frame (FDF)

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Fiber Distribution Frame to Virtual Serving Arrangement | Monthly - Per 2 fibers terminated to fiber frame | 2.88 | SP1JP |

### 5.3.8 Direct Current

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | DC Power | Monthly - Less than or equal to 60 amps - Per load amp on each feed | 16.52 | SP1JW |

### 5.3.9 Equipment Support

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Equipment Support | Monthly - Per half rack or fraction thereof | 23.45 | SP1MV |

# 5. Rates and Charges
## 5.3 Virtual Collocation

### 5.3.10 Spare Cabinet

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Spare Cabinet | Monthly - Per half rack or fraction thereof | 6.42 | SP1CQ |

### 5.3.11 Training

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Training Time | Per Technician - First half hour or fraction thereof | 21.95 | NRBH8 |
| | | Per Technician - Each additional quarter-hour or fraction thereof | 10.97 | NRBH8 |

### 5.3.12 Maintenance or Service Activity/Additional Labor Charges

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Labor | Per Occurrence - Per technician - First half hour or fraction thereof | 21.95 | NRBYN |
| | | Per Occurrence - Per technician - Each additional quarter hour or fraction thereof | 10.97 | NRBYN |
| | Escorting | Note: Refer to Part M, Section 5.2.6 | See Note | |
| | | Note: Refer to Part M, Section 5.2.6 | See Note | |

### 5.3.13 Splitter Arrangements

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Installation | NRC - Telephone Company installation - Per shelf | 2,047.87 | |
| | Splitter Support | Monthly - Per shelf | 3.35 | |
| | Maintenance, Administration and Support of Splitter | Monthly - Per shelf | 29.69 | |
| | Administration and Support of Splitter | Option A - Monthly - Per shelf | 25.35 | |

# 5. Rates and Charges
## 5.3 Virtual Collocation

| 5.3.14 Miscellaneous Collocation Power Service Charge | | | | |
|---|---|---|---|---|
| ID | Service Category | Rate Element | Rate | USOC |
| | Miscellaneous Collocation Power Service | NRC - Note: The escort NRC applies. Refer to Part M, Section 5.2.6 | See Note | |

# 5. Rates and Charges
## 5.4 Microwave Collocation

| 5.4.1 Space and Facilities | | | | |
|---|---|---|---|---|
| **ID** | **Service Category** | **Rate Element** | **Rate** | **USOC** |
| | Space and Facilities | Note: Rates and charges are determined on an individual case basis | See Note | |

| 5.4.2 Cable Rack | | | | |
|---|---|---|---|---|
| **ID** | **Service Category** | **Rate Element** | **Rate** | **USOC** |
| | Cable Rack | Note: Rates and charges are determined on an individual case basis | See Note | |

| 5.4.3 Conduit | | | | |
|---|---|---|---|---|
| **ID** | **Service Category** | **Rate Element** | **Rate** | **USOC** |
| | Space and Conduit | Serving Wire Center Manhole to Collocated Customer's Cage - Monthly - Per foot - Per duct or per half duct - Note: Refer to Part M, Section 5.2.7 | See Note | SP1EK |

| 5.4.4 Emergency Power and/or Environmental Support | | | | |
|---|---|---|---|---|
| **ID** | **Service Category** | **Rate Element** | **Rate** | **USOC** |
| | Special Work | Note: Rates and charges are determined on an individual case basis | See Note | |

| 5.4.5 Escorting | | | | |
|---|---|---|---|---|
| **ID** | **Service Category** | **Rate Element** | **Rate** | **USOC** |
| | Escorting | Note: Refer to Part M, Section 5.2.6 | See Note | |
| | | Note: Refer to Part M, Section 5.2.6 | See Note | |

| 5.4.6 Building Penetration | | | | |
|---|---|---|---|---|
| **ID** | **Service Category** | **Rate Element** | **Rate** | **USOC** |
| | Building Penetration | Note: Rates and charges are determined on an individual case basis | See Note | |

# 5. Rates and Charges
## 5.5 Interconnection Between Collocated Spaces

### 5.5.1 Dedicated Transit Service (DTS)

| ID | Service Category | Rate Element | Rate | USOC | |
|---|---|---|---|---|---|
| | Service Order | Standard Interval - Per order | 79.09 | NRBHA | (C) |
| | | Expedited Interval - Per order | 87.00 | NRBHA | (C) |
| | Manual Intervention Surcharge | NRC - Per order | 45.94 | | (N) |
| | | NRC - Expedited - Per order | 50.54 | | |
| | Service Connection/ Circuit Provisioning | Standard Interval - Per voice grade | 132.21 | | |
| | | Expedited Interval - Per voice grade | 184.27 | | (N) |
| | | Standard Interval - Per DS1 | 153.87 | NRBYK | (I) |
| | | Expedited Interval - Per DS1 | 218.78 | NRBYK | (I) |
| | | Standard Interval - Per DS3/STS-1 | 210.65 | | (N) |
| | | Expedited Interval - Per DS3/STS-1 | 308.04 | | |
| | | Standard Interval - Dark fiber, per pair | 210.65 | | |
| | | Expedited Interval - Dark fiber, per pair | 308.04 | | |
| | | Standard Interval - Lit fiber | ICB | | |
| | | Expedited Interval - Lit fiber | ICB | | |
| | SAC SPOT Bay Termination | Monthly - Note: Refer to Part M, Section 5.2 | See Note | | |
| | SAC Cable and Frame Termination | Monthly - Note: Refer to Part M, Section 5.2 | See Note | | |
| | IAC | Monthly - Note: Refer to Part M, Section 5.3 | See Note | | (N) |

### 5.5.2 Dedicated Cable Support (DCS)

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | DCS | Engineering - Note: Rates and charges are determined on an individual case basis | See Note | |

# 5. Rates and Charges
## 5.6 Secured Collocation Open Physical Environment (SCOPE)

### 5.6.1 Engineering and Administration

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Fee | NRC | 2,596.63 | NRB3S |

### 5.6.2 Construction

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | SCOPE Construction | NRC - Per bay | 1,754.15 | |

### 5.6.3 Space and Facilities

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Building | Monthly - Per equipment bay | 27.51 | SP1L9 |

### 5.6.4 Service Access Charge (SAC)

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | SAC SPOT Bay Termination | Monthly - Note: Refer to Part M, Section 5.2.4 | See Note | |
| | SAC Cable and Frame Termination | Monthly - Note: Refer to Part M, Section 5.2.4 | See Note | |

### 5.6.5 SPOT Bay Frame

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Voice Grade | NRC - Per 200 pair | 119.15 | SP1L2 |
| | | Monthly - Per 200 pair | 1.24 | SP1L2 |
| | DS1 | NRC - Per 28 DS1s | 47.66 | SP1L6 |
| | | Monthly - Per 28 DS1s | .49 | SP1L6 |
| | DS3 or STS-1 | NRC - Per DS3 or STS-1 | 3.97 | SP1L7 |
| | | Monthly - Per DS3 or STS-1 | .04 | SP1L7 |
| | 12 Fiber | NRC - Per 12 fibers | 29.79 | SP1L8 |
| | | Monthly - Per 12 fibers | .31 | SP1L8 |

# 5. Rates and Charges
## 5.6 Secured Collocation Open Physical Environment (SCOPE)

### 5.6.6 Escorting

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Escorting | Note: Refer to Part M, Section 5.2.6 | See Note | |

### 5.6.7 Cable Placement and Splicing

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Cable Placement and Splicing | Note: Rates and charges are determined on an individual case basis. Labor charges are contained in Part M, Section 5.3.5. | See Note | |

### 5.6.8 Occupancy

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | DC Power | Monthly - Note: Refer to Part M, Section 5.2.3 (less than or equal to 60 amps) | See Note | |

### 5.6.9 Conduit

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Space and Conduit | Monthly - Note: Refer to Part M, Section 5.2.7 | See Note | |

### 5.6.10 Site Survey/Report

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Site Survey/Report | NRC - Note: Refer to Part M, Section 5.2 | See Note | |

### 5.6.11 Security Access Cards

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Security Access Cards | NRC - Note: Refer to Part M, Section 5.2 | See Note | |

# 5. Rates and Charges
## 5.6 Secured Collocation Open Physical Environment (SCOPE)

| 5.6.12 Miscellaneous Collocation Power Service Charge | | | | |
|---|---|---|---|---|
| **ID** | **Service Category** | **Rate Element** | **Rate** | **USOC** |
| | Miscellaneous Collocation Power Service | NRC - Note: The escort NRC applies. Refer to Part M, Section 5.2.6 | See Note | |

# 5. Rates and Charges
## 5.7 Shared Cages

There are no rates and charges contained herein.

# 5. Rates and Charges
## 5.8 Reserved for Future Use

There are no rates and charges contained herein.

# 5. Rates and Charges
## 5.9 Cageless Collocation Open Environment (CCOE)

### 5.9.1 Application Fees

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Initial Arrangement | NRC - Note: Refer to Part M, Section 5.3 | See Note | |

### 5.9.2 Site Survey/Report

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Site Survey/Report | NRC - Note: Refer to Part M, Section 5.2 | See Note | |

### 5.9.3 Engineering and Implementation

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Initial Arrangement | NRC - Note: Refer to Part M, Section 5.3 | See Note | |

### 5.9.4 SPOT Bay Frame

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Voice Grade | NRC - Note: Refer to Part M, Section 5.6 | See Note | |
| | | Monthly - Note: Refer to Part M, Section 5.6 | See Note | |
| | DS1 | NRC - Note: Refer to Part M, Section 5.6 | See Note | |
| | | Monthly - Note: Refer to Part M, Section 5.6 | See Note | |
| | DS3 or STS-1 | NRC - Note: Refer to Part M, Section 5.6 | See Note | |
| | | Monthly - Note: Refer to Part M, Section 5.6 | See Note | |
| | 12 Fiber | NRC - Note: Refer to Part M, Section 5.6 | See Note | |
| | | Monthly - Note: Refer to Part M, Section 5.6 | See Note | |

# 5. Rates and Charges
## 5.9 Cageless Collocation Open Environment (CCOE)

### 5.9.5 Service Access Charge (SAC)

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | SAC SPOT Bay Termination | Monthly - Note: Refer to Part M, Section 5.2 | See Note | |
| | SAC Cable and Frame Termination | Monthly - Note: Refer to Part M, Section 5.2 | See Note | |

### 5.9.6 Security Access Cards

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Security Access Cards | NRC - Note: Refer to Part M, Section 5.2 | See Note | |

### 5.9.7 Space and Conditioning

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Building | Monthly - Per equipment bay | 45.04 | SP14U |

### 5.9.8 Cable Placement and Splicing

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Cable Placement and Splicing | Note: Rates and charges are determined on an individual case basis. Labor charges are contained in Part M, Section 5.3.5. | See Note | |

### 5.9.9 Occupancy

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | DC Power | Monthly - Note: Refer to Part M, Section 5.2 (less than or equal to 60 amps) | See Note | |

### 5.9.10 Conduit

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Space and Conduit | Monthly - Note: Refer to Part M, Section 5.2 | See Note | |

# 5. Rates and Charges
## 5.9 Cageless Collocation Open Environment (CCOE)

### 5.9.11 Cageless Security

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Cageless Security | Monthly - Per equipment bay | 152.97 | SP1J8 |

### 5.9.12 Escorting

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Escorting | Note: Refer to Part M, Section 5.2 | See Note | |

### 5.9.13 Miscellaneous Collocation Power Service Charge

| ID | Service Category | Rate Element | Rate | USOC |
|---|---|---|---|---|
| | Miscellaneous Collocation Power Service | NRC - Note: The escort NRC applies. Refer to Part M, Section 5.2.6 | See Note | |

# 5. Rates and Charges
## 5.10 Adjacent Structures

Rates and charges will be developed on an individual case basis.

# 5. Rates and Charges
## 5.11 Collocation at Remote Terminal Equipment Enclosures (CRTEE)

| 5.11.1 CRTEE | | | | |
|---|---|---|---|---|
| **ID** | **Service Category** | **Rate Element** | **Rate** | **USOC** |
| | Application Fee | NRC - Per CRTEE request processed | 2,500.00 | |
| | Remote Terminal Serving Address Inquiry | NRC - Per request | ICB | |
| | Preliminary Engineering Records Review | NRC - Per request | ICB | |
| | Site Survey for Space Availability Inquiry | NRC - Per request | ICB | |
| | Engineering and Implementation Fee | NRC - Per CRTEE arrangement request | ICB | |
| | Site Preparation Fee | NRC - Per CRTEE arrangement request as required | ICB | |
| | Equipment Support | Note: Refer to Part M, Section 5.3.9 | See Note | |
| | DC Power | Note: Refer to Part M, Section 5.3.8 (less than or equal to 60 amps) | See Note | |
| | Conduit and Space | Note: Refer to Part M, Section 5.2.7 | See Note | |
| | Miscellaneous Collocation Power Service | NRC - Note: The escort NRC applies. Refer to Part M, Section 5.2.6 | See Note | |

# 6. Rates and Charges

## 6.1 Reserved for Future Use

# 7. Rates and Charges

## 7.1 Reserved for Future Use

# 8. Rates and Charges

## 8.1 Reserved for Future Use

# 9. Rates and Charges

## 9.1 Reserved for Future Use

# 10. Rates and Charges

## 10.1 Reserved for Future Use

# 11. Rates and Charges

## 11.1 Reserved for Future Use

# 12. Rates and Charges

## 12.1 Reserved for Future Use